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GOVERNMENT OF INDIA

METEOROLOGICAL DEPARTMENT

MAGNETIC, METEOROLOGICAL, ATMOSPHERIC ELECTRIC AND SEISMOGRAPHIC OBSERVATIONS

MADE AT THE

GOVERNMENT OBSERVATORIES

BOMBAY AND ALIBAG

IN THE YEAR

1936

UNDER THE DIRECTION OF

S. C. ROY, M.Sc., D.Sc. (Lond.)

AND

K. R. RAMANATHAN, M.A., D.Sc.

REDUCED AND TABULATED UNDER THE DIRECTION OF

K. R. RAMANATHAN, M.A., D.Sc.

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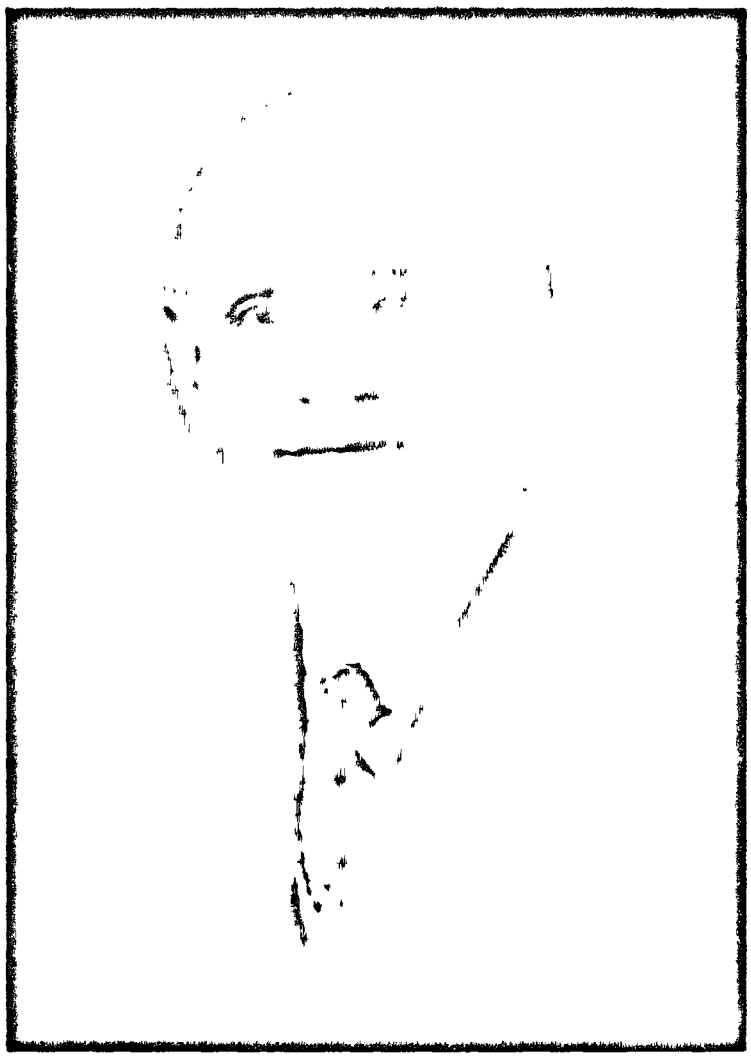

DR. N. A. F. MOOS, L.C.E., D.Sc., F.R.S.E.,
DIRECTOR, BOMBAY AND ALIBAG OBSERVATORIES, 1896—1919.

N. A. F. MOOS, L.C.E., D.Sc., F.R.S.E.

Dr. N. A. F. Moos was Director of Bombay Observatory during the years 1896-1919. Nanabhai Ardeshir Framji Moos was born in 1859. He was educated in Bombay and Poona and took his degree in Civil Engineering from the Poona College of Science in his nineteenth year. After working for some time under the Poona Municipality and later as a Lecturer in the Poona College of Science, he went to Europe for advanced studies in science and joined the Edinburgh University. Moos had a distinguished academic carreer there and on his return to India, again took up teaching as a profession. At the time of his appointment as Director of the Bombay Observatory Mr. Moos was Professor of Physics in the Elphinstone College, Bombay. He succeeded Mr. Charles Chambers, F. R. S., and continued the tradition of progress and investigation established by his predecessor. By his conscientious and devoted labours, Dr. Moos enhanced the prestige of the observatory and built up for himself an international reputation as an authority in Terrestrial Magnetism.

Important developments took place in the observatory during the Directorship of Dr. Moos. In 1898, seismology was included in the regular programme of work of the observatory. In 1900, the Municipal Corporation of Bombay decided to introduce electric tram service in the city. As this would seriously affect the magnetic records of the observatory, steps were taken to transfer the magnetic work to a more protected site. A new observatory was built at Alibag about 18 miles to the South-South-East of Bombay and the whole observational magnetic work was transferred to it in 1905 after two years of comparative observations at Colaba and Alibag. Dr. Moos designed a very efficient overground constant temperature room for housing the recording instruments at Alibag and this has proved to be a great improvement on the underground constant temperature room at Colaba. In 1910, Dr. Moos published his two volumes of " Colaba Magnetic Data " discussing in a comprehensive manner the data of 50 years' continuous observations on earth's magnetism at Bombay. These volumes have been a mine of information to all later students of the subject. In 1901, on the invitation of the Karachi Port Trust, Dr. Moos started a Time Service Station at Manora, near Karachi, for the benefit of shipping. Dr. Moos's scientific activities cover a wide field including Terrestrial Magnetism, Seismology and Meteorology. Dr. Moos did not write much for outside scientific journals but incorporated a good deal of original matter in the introductions and appendices of the Bombay observatory volumes during the years of his Directorship and in the two volumes of " Colaba Magnetic Data and their discussion." Prominent among his contributions may be mentioned his study of the diurnal variations of magnetism on average, quiet and disturbed days, his study of magnetic storms, discussion of different kinds of quiet days, study of the interdiurnal variability of H and of the influence of the moon on the earth's magnetism. A list of his papers as given in the Director's annual report for 1919, which was the last report written by Dr. Moos, is appended.

Dr. Moos was held in high esteem by the public of Bombay. He served as a Syndic of the Bombay University and was Dean of the Faculty of Science. He represented the University on the Council of the Indian Institute of Science, Bangalore, the Engineering College, Poona, and the Prince of Wales Museum, Bombay. He was a Doctor of Science of the Edinburgh University and a Fellow of the Royal Society of Edinburgh.

Dr. Moos passed away on the 12th March 1936 in his seventy-seventh year, leaving a wife, four sons and two daughters. He was an ideal head of the observatory, always taking a deep interest in the welfare of his staff and being held by them in great affection and esteem.

List of Scientific data and papers published by Dr. N. A. F. Moos.

I. Annual volumes of Magnetical, Meteorological and Seismographic observations, 1895-1915.

II. Fifty years of Magnetical and Meteorological Observations at Colaba. (Appendix, Vol. 1895).

A short note on the disturbance of Magnetical and Meteorological Instruments at the Colaba Observatory during the earthquake of 12th June 1897. (Appendix, Vol. 1896).

Discussion of observations of declination on quiet days, 1894-95-96.

Discussion of records of Dines' pressure tube anemometer, 1897 (Appendix, Vol. 1896).

Fifty years of Grubb's declinometer and declination at Bombay, 1846-1896 (Appendix, Vol. 1896).

Hourly means of declination and horizontal force derived from selected quiet days for the years 1894-1897 (Appendix, Vol. 1897).

Hourly means from quiet days, of horizontal force and declination from 1898-1899 and of vertical force from 1894-1899 (Appendix, Vol. 1898-1899).

Harmonic Analysis and discussion of Temperature data at Colaba for the period 1876-1896 : Thermograph record. (Appendix, Vol. 1898-1899).

Harmonic analysis and discussion of Barometric Pressure at Colaba for the period 1876-1896 : Kew Barograph record (Appendix, Vol. 1898-99).

Daily and hourly Normals of Barometer, Temperature, Vapour Pressure, and North-South and East-West components of wind at Colaba derived from data of 24 hours, 1873-1896, with their variations, and Bessels coefficients.

Normals of rain-fall at Colaba for each day derived from data 1873-1896. (Appendix, Vol. 1898-99).

Character and dates of magnetic disturbances and hourly means of Declination, Horizontal Force and Vertical Force for quiet days for the years 1900-1910. (Appendix, Vol. 1900-01, 1902-05 and 1906-10).

Absolute values and diurnal inequalities of Horizontal Force, Declination and Vertical Force derived from quiet days selected (1) by the Astronomer Royal, (2) by the International Commission of Terrestrial magnetism and (3) selected locally, 1906-1910. (Appendix, Vol. 1906-1910).

Comparison of Anemograph results derived from the registration of Dines pressure tube Anemometer and Robinson-Beckley Anemograph, 1898 to 1911. (Appendix, Vol. 1906-1910).

Comparison of absolute values of magnetic elements and the diurnal and secular variations of H. D. and V. for the years 1904 and 1905 registered simultaneously at the old and new sites at Colaba and Alibag respectively (before the final transfer of magnetic work from Colaba to the latter station). (Appendix, Vol. 1906-1910).

Absolute values and diurnal inequalities derived from quiet days selected by the Astronomer Royal, International Commission of Terrestrial Magnetism and selected locally for the period 1911-15 (Appendix, Vol. 1911-1915).

Alibag Magnetic Observatory (Terrestrial Magnetism and Atmospheric Electricity, 1912).

Climatology of Bombay (Bombay Gazetteer).

III. List of subjects discussed in the Colaba Magnetic Data, 1846-1905, Volumes I and II.

Absolute instruments at Colaba : Comparison and discussion of data, formulæ, and constants : 1846-1905.

Description of the Horizontal Force variation instruments including the magnetograph ; discussion and comparison of the instruments, their constants, their formulæ of reductions and their records, 1846-1905.

Description of the Declination variation instruments at Colaba, including the Declination Magnetograph, discussion and comparison of the instruments ; their constants, the formulæ used and their records, 1846-1905.

Description and discussion of Vertical Force magnetographs No. 1 and No. 2, the formulæ and the constants used and their records for the period 1873-1905.

The comparison of the two Vertical Force records No. 1 and No. 2 for the period 1894-1905.

Absolute Horizontal Force, Declination, Inclination and Vertical Force : their secular and annual variations at Colaba, 1846-1905.

Discussion of the diurnal inequalities of Horizontal Force, Declination and Vertical Force and Inclination, their seasonal and secular changes and Fourier Coefficients, 1846-1905.

Diurnal changes in magnetic forces and their discussion as represented by Vector Diagrams in different places.

Magnetic Disturbances in Horizontal Force, Declination and Vertical Force at Colaba for 1846-1872 and 1872-1905.

Discussion of the Absolute and Variation phenomena derived from different kinds of quiet days for the period 1894-1905 and their comparison with the all-day results.

The influence of the Moon on the diurnal variations of magnetic elements.

Discussion of the Absolute Phenomena from Day to day as given by the Daily Means of H. and D. and the periods involved : 1872-1905.

Relation of Terrestrial Magnetism to Sun-spots and Meteorological phenomena.

Some typical movements in Magnetographs suspected to be associated with Seismic phenomena.

INTRODUCTION.

This volume on the magnetic, meteorological, seismographic and atmospheric electric observations made at the Government Observatories, Bombay and Alibag, during the year 1936, is the fifty-eighth volume of its kind issued by the Observatory and extends the records of continuous meteorological and magnetic observations to a period of ninety-one years, of seismographic observations to a period of thirty-eight years, and of atmospheric potential gradient observations to a period of six years. It has been prepared in the same form as the volume for the year 1935. The hourly values of all the important meteorological and magnetic elements have been given and these represent their average values over one hour and not their momentary values at the end of each hour. Columns have been added giving the daily means and the monthly mean hourly values of barometric pressure in millibars and of air temperature in degrees Centigrade. The mean values of potential gradient for the four hourly intervals, 2-3, 8-9, 14-15, and 20-21 hours I. S. T. have also been given.

The transfer of magnetic work from Colaba to Alibag in 1904, due to the decision of the city of Bombay to introduce electric tram service, caused a certain amount of discontinuity in the magnetic records, which had then run uninterruptedly at Colaba for about sixty years, but as comparative observations could be taken at both the stations for a period of two years before the electric tram lines were completed and the service commenced its operations, the ' discontinuity ' could be calculated and allowed for. The comparative observations showed that at Alibag, the horizontal component of magnetic force was lower by 0·00510 C. G. S. unit of force, easterly declination higher by 53′·5 and inclination higher by 1° 4′·7 than at Colaba, and these have been adopted differences between the values at the two sites. The figures published in this volume, like those in the previous volumes since 1906, have *not* been corrected for these differences.

A Milne-Shaw seismograph to record movements in N-S direction was installed in the underground constant temperature room in 1923 and another instrument to record E-W-movements in 1930.

The Colaba Observatory is situated almost at the extreme south end of the narrow ridge of land extending about three miles to the south-west of the Fort of Bombay and separating the Harbour from the Back Bay. The mean level of the Observatory compound is about 32 feet above the mean level of the sea. The regular registration of meteorological observations in the Colaba Observatory commenced in November 1841.

The astronomical co-ordinates* giving the position of the Colaba Observatory are : —

Latitude	18° 53′ 36·18″ N.
Longitude	72° 48′ 54·03″ E.

The Alibag Magnetic Observatory is situated on the main land about 18 miles south-south-east of Bombay, and its astronomical co-ordinates are—

Latitude	18° 38′ 17″ N.
Longitude	72° 52′ 21″ E.

For a general description of the buildings and instruments in both the Observatories, see "Magnetical, Meteorological and Seismographic Observations made at the Government Observatories, Bombay and Alibag, 1906—1910," and also the similar volume for 1916—20.

Unless otherwise stated, all times given in this volume refer to local mean time.

Meteorological instruments at Colaba.

1. *Standard Barometer.*—The barometer by Newman (No. 58) which has been in un-interrupted use since the establishment of the Observatory remains the standard barometer of the observatory. It reads on an average 0·004″ below the Kew Standard and 0·012″ below the old Calcutta standard barometer. The height of the barometer is 37 feet above the mean sea-level. A subsidiary standard barometer, Newman No. 48, has also been maintained in the underground constant temperature room, and its reading exceeded that of the standard barometer by 0·001″ on the average during the year. Since the 1st of January 1936, regular observations of the Newman barometer (No. 58) were discontinued and barometer No. 2880 of Fortin type by Calderara brought into use for daily observations.

2. *Barograph.*—The instrument is of the Kew pattern and was installed in the underground constant temperature room in 1872. The level of the mercury is recorded photographically. The barograph has been treated, as in the past, as an independent instrument in respect of the variations of pressure occurring in the course of a day. A comparative study of the differences between the readings of the barograph and of the standard

*Magnetic, Meteorological and Seismographic observations made at the Government Observatories, Bombay and Alibag, 1922, p. 1.

barometer for a large number of years indicates that these differences remain fairly constant and do not show variations at different hours of the day. The mean of the excesses of the eye observations of the barometer made at 8 hrs. (B. M. T.) and 17 hrs. (I. S. T.) on seven consecutive days over the corresponding barograph tabulations has been applied as a common correction to all the tabulated hourly readings of the day which is the fourth of the seven.

3. *Standard Dry bulb and Wet bulb Thermometers.*—On the 26th November 1917, the freezing points were tested and the zero of the dry bulb standard thermometer No. 401 was found to have changed from 32°·6F. to 33°·0F and that of wet bulb standard thermometer No. 402 from 32°·5 F to 33°·0F. These thermometers were again tested on the 3rd February 1926 and their corrections were found to be the same as those determined in 1917. Besides the above, there are eye reading dry bulb, wet bulb, maximum and minimum thermometers installed in a standard Stevenson Screen. The heights of the bulbs of the thermometers above the ground in the two sheds are given below :—

Thermograph Shed : Dry bulb 10′ ; Wet bulb 10′.

Stevenson Screen : „ „ 4′ 4½″ ; „ „ 4′ 4″ ; Max. 4′ 11½″ ; Min. 4′ 4″.

For the results of comparative observations of these thermometers see p. 2 of the volume for the year 1924.

4. *Kew Dry bulb and Wet bulb Thermograph.*—The bulbs of these thermograph thermometers are placed close to those of the standard dry and wet bulb thermometers in a large double-louvre shed constructed in 1872, and the temperatures are recorded photographically. The tables of air temperature have been obtained from the records of dry bulb thermograms and of humidity from those of the dry and wet bulb thermograms. The mean differences between the readings of the standard dry and wet bulb thermometers described in the preceding para. and the corresponding readings of the thermograms for the year 1936 were +0·2° and +0·1° respectively and were neglected.

5. *Robinson-Beckley's Anemograph.*—This anemograph is of the kind designed by Robinson, with improvements by Robert Beckley and has been in uninterrupted use in the Observatory since 1867, except that a new instrument of the same pattern and by the same makers was installed in 1907 to replace the old one. It is erected on the Anemometer Tower with its cups at a height of 58 feet above the ground and 100 feet above the mean sea-level. The centres of each pair of opposite hemi-spherical cups are four feet apart, and the diameter of each of the cups is 9 inches. The diameter of the vanes of the direction recorder is 15 inches and the breadth of the fans 4 inches.

6. *Dines' Anemograph, 1924 (velocity and direction).*—The old Dines' anemograph which was in continuous operation from 1896 and was provided with velocity recorder only was stopped in December 1929. A new Dines' anemograph with both velocity and direction recorders by R. W. Munro and Co. was received in 1923 and installed on the Anemometer Tower in January 1924. With a view to improve the exposure, its T-shaped head-vane was placed on the top of a telegraph post, 32·5 feet high, fixed on the Tower at a distance of 3 feet from the cups of the Robinson-Beckley's cups and 127 feet above the mean sea-level. The diameter of the post near the Beckley's Anemograph is 8 inches and does not exercise appreciable influence on the records of Robinson-Beckley. The results of a series of comparisons of this instrument with a U-tube pressure-gauge showed that W, the difference in level of water in inches in the two arms of the U-tube, which is a measure of the pressure exerted by the wind, and V, the velocity of the wind in miles per hour as indicated in the charts, practically obey the standard rule, $W = \cdot 00073\ V^2$.

The height of the vane of this anemometer is 27 feet above that of the Beckley's cups. On account of the greater height, this instrument records a larger speed of wind. The ratio of the mean wind velocities recorded by the new Dines' anemograph to those recorded by the Beckley's anemograph during 1924—36 is given below for the different months, seasons and the year :—

Ratio of Wind Velocities.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Means. October to February.	Means. March to May.	Means. June to September.	Means. Year.
New Dines to Rob. Beckley (1924-36.)	1·40	1·39	1·33	1·33	1·36	1·46	1·67	1·65	1·52	1·42	1·43	1·39	1·41	1·34	1·58	1·45

The hourly values of wind velocity and wind direction tabulated in this volume represent the averages from the Dines' records for periods of sixty minutes, from full hour to full hour of local mean time. The daily mean directions have been derived by converting the hourly velocity into N or S and E or W components and combining the mean components.

7. *Rain-gauge.*—Newman's rain-gauge, which has been in use since 1845, exposes for the collection of rain-drops at a height of four feet above the ground a circular surface of an average diameter of 12·035 inches, forming the top of the funnel, which opens into a cylindrical vessel below, having a diameter of 5·732 inches. Each division of the graduated rod resting on the float represents ·05 inch of rain and the readings of this scale are easily estimated to one-fifth of a division.

8. *Photographic Rain-gauge.*—This instrument takes a continuous record of rainfall by photographing the head of a mercury column balancing the rainfall collected in a glass vessel, with an arrangement for syphon discharge when full. A full description of this instrument will be found in the introduction to the " Bombay Magnetical and Meteorological Observations, 1877 to 1878 ", page xlvi. For methods of reduction of pluviograph records, reference is made to the introduction to the " Bombay Magnetical, Meteorological and Seismographic Observations, 1916—20 ". The height of the receiving funnel of this instrument is 28 feet above the ground. The pluviograph gave slightly higher value for rainfall than the Newman gauge.

For comparative study a syphon rain-gauge by L. Casella, London, was installed in the enclosure of the standard Newman rain-gauge on the 12th June 1930, so that the receiving funnels of both were at the same height. It was removed to a separate enclosure on the 28th April 1931 and its receiving funnel was kept at the standard height of 30 inches above the ground surface.

System of observation at Colaba.

From the beginning of 1929, eye observations of the barometer and thermometers at 10 hrs. and 16 hrs. were stopped but continued to be taken at 8 hrs. An afternoon observation at 17 hrs., Indian Standard Time, was however introduced from the 15th November 1929.

The eye observations at 8 hrs. (local time) and 17 hrs. (Indian Standard Time) were taken in the following order :—

From 5 minutes before the hour to 2 minutes after the hour.	Kind and amount of cloud, state of weather, direction of wind and any noteworthy weather phenomena.
At 2 minutes after the hour	Thermograph standard thermometer, dry-bulb.
	Thermograph standard thermometer, wet-bulb.
At 3 „ „ „	Newman's rain-gauge.
From 7 to 9 „ „	Fortin barometer Calderara No. 2880 and attached thermometer.
	Newman's standard barometer No. 48 and attached thermometer (read at 8 hrs. only).
At 10 „ „ „	Thermometer attached to barograph (read at 8 hrs. only).

Observations of the kind and amount of cloud, state of weather, special phenomena and rainfall (in wet season) were also taken at 6, 10 and 22 hrs. Observations with nephoscope were taken at 8½, 12½ and 16½ hrs. every day. The maximum and minimum thermometers in the Stevenson Screen were read daily at 8 hrs. only.

During the monsoon months, Newman's rain-gauge was read daily at midnight in addition to the usual observations and the discharges of the syphon of the self-registering pluviograph were also read as often as required.

A Campbell-Stokes Sunshine recorder was installed on the balloon observation tower and was brought into regular use from August 1925. The sun-shine data given in the volume refer to *local apparent time.*

Observations of magnetic declination were made once every month at Colaba about the middle of each month. The mean of the differences between the absolute values of declination at Colaba and Alibag, observed during 1936 was 50′·0 as against 53′·5 obtained from the comparative observations taken at the two stations in the years 1904 and 1905.

Time-supply service.

The electric clock at the Colaba Observatory controlling the drop of the time ball was regulated once every day by comparison with the standard sidereal clocks, two Rieflers and one Kullberg. Government chronometers belonging to the Royal Indian Navy, were wound daily or twice a week as required and comparisons with the standard clock were made with sufficient frequency to render the instruments always ready for use at call with well-determined rates.

Magnetic Instruments at Alibag.

Variation Instruments.

The horizontal force, vertical force and declination magnetographs in use at Alibag are all by Watson and are mounted on isolated pillars in the magnetograph room. They were maintained in continuous action throughout the year. As explained on pages 1-2 of the Observatory volume for 1927, the sensitiveness of the vertical force magnetograph was increased eight-fold on the 7th August 1927 by introducing certain alterations in the mechanism for adjusting the position of the centre of gravity of the 'balance'. The V. F. instrument showed frequent changes of zero and it became necessary to adjust it once in the beginning of October and again towards the end of the same month. After the re-adjustment, the sensitiveness was reduced to two-thirds of its former value.

A declination magnetograph with high optical magnification (1 cm.=3·43 minutes of arc) was constructed locally and installed in 1931 in the ground floor room of the magnetometer building. It was in continuous action throughout the year. The records furnished by this instrument are identical with those obtained with the Watson declination magnetograph except that the variations are shown in a more conspicuous manner.

The highest maximum and lowest minimum temperatures in each month in the magnetograph room during 1936 are shown below in degrees Fahrenheit.

1936.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Year.
	°	°	°	°	°	°	°	°	°	°	°	°	°
Maximum .	84·8	83·0	85·6	87·8	90·2	90·3	87·8	86·7	87·7	88·8	88·7	87·8	90·3
Minimum .	81·9	82·0	83·0	85·5	87·9	87·8	86·6	85·9	85·7	88·0	88·2	84·2	81·9

A Kew Horizontal Force Magnetometer, a Kew Vertical Force Magnetometer and a Declination Magnetometer are installed in the ground-floor room of the magnetometer building as auxiliary eye-reading instruments. The eye observations were regularly plotted and were used mainly for a comparative study of the performance of the different instruments. The hourly tabulations from the magnetograms represent the average values during one hour, centred at the full hours of Greenwich Mean Time.

The scale coefficients of the force magnetographs were obtained every fortnight from deflection observations performed on the instruments with deflectors, at distances of 100 cm. and 120 cm. in the case of H and at distances of 124·05 cm.* and 148·6 cm.* in the case of V magnetograph. The usual distribution coefficient $(1 + \frac{P}{r^2})$ was introduced in the formula for the computation of scale coefficients. It was found that the mean values of the factor in the case of H. magnetograph were for both the distances equal to unity and in the case of V. magnetograph 1·09 and 1·06 for the shorter and the longer distances respectively. The value of the scale coefficient adopted for any month is the average of the mean observed value for that month and those for the preceding and succeeding months.

*After the adjustment to the V. F. magnetograph on the26th October 1936 these distances were changed to 126·75 cms and 151·3 cms. respectively.

The following table gives the scale coefficients of the force magnetographs, that is the values in γ, corresponding to 1 cm. ordinate on the photographic paper, where as usual γ =0·00001 C. G. S. unit of force.

Instrument.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.
	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ
H. F. Magnetograph	44·4	44·6	44·6	44·6	44·4	44·5	44·5	44·7	44·8	44·9	44·9	44·9
V. F. Magnetograph	13·4	13·3	13·5	13·6	13·9	13·6	13·5	13·3	13·3	19·4*	19·7	19·7

The scale coefficient of the Watson declination magnetograph for 1 cm. of ordinate is 10′·28.

The temperature coefficient of the horizontal force magnetograph was determined by Dr. Moos by heating experiments and its adopted value is 3·6γ/°F. The temperature coefficient of the vertical force magnetograph was found by similar experiments to be negligible as no appreciable change in force, after allowing for the actual diurnal change, could be definitely ascertained as being due to temperature effect. The above conclusions were checked by Dr. Banerji by an analysis of the observed monthly values of base lines† by means of the formula $B_t = B_m + \alpha (t - m)$, where B_t is the monthly mean value of the base line, uncorrected for temperature but corrected for the slow secular change caused by the loss of magnetic moment and other causes, 't' the mean temperature during the month, B_m the annual mean of the observed values of the base line, m the annual mean temperature of the magnetograph room, and α the temperature coefficient. Several years' data have been analysed in this manner. The mean value of α for H. F. based on the data for the years 1922-31 is 5·3γ/°F. The adopted value is thus seen to be considerably smaller than that obtained by this method. For V. F. the value of α appears to be negligible.

Absolute Instruments.

Two magnetometers have been in regular use during the period for determining the absolute values of horizontal force and declination. Magnetometer No. 7 by Messrs. T. Cooke and Sons, which is the standard instrument at Alibag, is of the ordinary Kew pattern but is modified and improved in several details. The other instrument is Magnetometer No. 137 by Dover Charlton and is of the usual Kew pattern. Instrument No. 7 is observed on the second floor of the magnetometer building, while instrument No. 137 with its own magnets is observed on the first floor. A pair of new magnets for No. 7 with their constants determined at the Greenwich Magnetic Observatory (Abinger) was received from Messrs. Cooke, Troughton and Sims in 1929 and observations of Horizontal Force and Declination were taken once every four weeks with these magnets and magnetometer No. 7 on the second floor throughout the year for comparative purposes. The results show close agreement with those obtained with the old magnets No. 7.

The value of the correction, $\text{Log}_{10}(1+\frac{P}{r^3}+\frac{Q}{r^4})^{-1}$ used in the reduction of the horizontal force observations was obtained for a given month by taking the mean for seven months including the given month as fourth of the seven. The values of this correction for the different months of the year for the standard instrument at the deflection distance 22·5 cm. were as follows:—

January	.. 9·99304	May	.. 9·99297	September	.. 9·99278
February	.. 9·99307	June	.. 9·99295	October	.. 9·99278
March	.. 9·99302	July	.. 9·99293	November	.. 9·99279
April	.. 9·99299	August	.. 9·99288	December	.. 9·99281

Earth Inductor No. 41 by Schulze of Potsdam and galvanometer No. 200 by Plath are installed on specially constructed pillars in the second floor, while Inductor No. 108 by Otto Toepfer and its galvanometer are installed in the first floor of the magnetometer building. Both these instruments were in regular use.

*V. F. Magnetograph was adjusted on the 4th and the 26th October.

†Memoirs of the India Meteorological Department, Vol. XXV, Part VII.

System of observation at Alibag.

Eye observations of the instruments mentioned below were taken daily, Sundays included, shortly before 6, 10, 14, 16 and 22 hrs. (Local Time) at the instants specified against them. These instants have been chosen so that they may approach as nearly as possible to the full hour of Greenwich Mean Tin e, which corresponds to 51 mins. of local time.

At 19 minutes to the hour .	Kew Horizontal Force Magnetometer and attached thermometer.
„ 17 „ „ „ .	Kew Vertical Force Magnetometer and attached thermometer.
„ 15 „ „ „ .	Declination Magnetometer.
„ 10 „ „ „ .	Watson's Vertical Force Magnetograph and attached thermometer.
„ 8 „ „ „ .	Watson's Horizontal Force Magnetograph and attached thermometer.
„ 6 „ „ „ .	Thermograph and the standard thermometer in the Magnetograph room (read twice daily at 6 and 16 hrs. only).

Observations of absolute horizontal force were made with the Observatory standard instrument No. 7 and magnets No. 7 (old) on Wednesdays. Observations of absolute horizontal force were also taken with—

(1) magnetometer No. 137 and magnets No. 137 on Mondays once every four weeks,

(2) the standard magnetometer No. 7 and magnets No. 7 (new) on Fridays once in four weeks.

Observations of absolute declination were made with the standard magnetometer No. 7 and magnet No. 7 (old) on Thursdays. Observations of declination were also taken for comparative study with—

(1) magnetometer No. 137 and magnets No. 137 on Thursday once in eight weeks,

(2) standard magnetometer No. 7 and magnet No. 7 (new) on Thursday once in four weeks.

Observations of inclination were made with the Schulze's Inductor, which is the Observatory standard instrument, and another inductor by Otto Toepfer every day in the year with the exception of Sundays and holidays. Each of the two inductor instruments was ordinarily observed on alternate days, but for check both the instruments were observed on the same day one after the other on Saturdays.

Transit observations of stars for the determination of time were made generally on Tuesdays and Fridays in the dry months ; during the monsoon months no opportunity was lost of observing the sun or stars whenever visible. The adjustment of the transit instrument was frequently tested by reference to the fixed collimator mark and by level observations ; the errors of collimation, level and azimuth were determined once every month except during the monsoon months. A complete set of observations of all the meteorological elements was taken at Alibag at 8 hrs. (local time) throughout the year.

General Review.

1. *Weather.*—The southwest monsoon rains commenced at Bombay on the 4th June and practically ended on the 13th September. The total rainfall recorded during the year amounted to 58·43″ and was 12·11 below the normal of 72 years. The mean temperature of the year was 80°·0 which was 0°·7 above the normal. The greatest maximum temperature recorded was 96°·3 on the 12th March and the lowest minimum was 62°·2 on the 8th January. The mean temperature of all the months in the year was within 1° of the normal of the season. The mean velocity of wind during the year was 8°·1 miles per hour. The greatest daily mean velocity was 20·4 miles per hour on the 26th June and the lowest was 3·0 miles per hour on the 20th November. The greatest mean hourly velocity and the maximum velocity of a single gust of wind as recorded by the New Dines' anemometer reached 30 miles and 61 miles per hour respectively on the 26th June.

2. *Magnetic conditions.*—The mean and the extreme values of the magnetic elements at Alibag during 1936 are given below along with the corresponding values for the previous fifteen years :—

Year.	H						D						V						I
	Mean.	Maximum.		Minimum.		Absolute annual range.	Mean.	Maximum.		Minimum.		Absolute annual range.	Mean.	Maximum.		Minimum.		Absolute annual range.	Mean
		Value.	Date.	Value.	Date.			Value.	Date.	Value.	Date.			Value.	Date.	Value.	Date.		
	γ	γ		γ		γ	′	′		′		′	γ	γ		γ		γ	° ′
1921	36935	37069	13th May.	36381	15th May.	688	15·9 E.	41·9 E.	15th May.	9·5 E.	7th July.	32·4	17227	17320	15th May.	17144	20th Jan.	176	25 0·3
1922	36946	37037	10th Mar.	36777	14th Sept.	260	12·6 E.	18·0 E.	16th Feb.	6·6 E.	31st Aug.	11·4	17293	17351	12th Aug.	17222	5th Apr.	129	25 5·0
1923	36985	37071	27th Nov.	36854	24th Mar.	217	8·9 E.	13·6 E.	26th Jan.	3·6 E.	24th Sept.	10·0	17372	17432	3rd July.	17270	25th Jan.	162	25 9·6
1924	37029	37142	16th Oct.	36854	10th June.	288	5·6 E.	10·5 E.	29th Jan.	0·4 E.	15th Sept.	10·1	17452	17514	26th Dec.	17379	19th Jan.	135	25 14·1
1925	37065	37170	9th Mar.	36899	28th Dec.	271	3·4 E.	8 2 E.	24th May.	2·0 W.	4th Sept.	10·2	17527	17589	25th Dec.	17421	21st Jan.	168	25 18·5
1926	37079	37227•	26th Jan.	36755	15th Apr.	472	0·8 E.	9·9 E.	15th Apr.	4·9 W.	24th Aug.	14·8	17590	17654	15th Oct.	17504	4th Jan.	150	25 22·7
1927	37119	37350	22nd Oct.	36802	12th Oct.	548	1·9 W.	6·0 E.	22nd July.	8·6 W.	21st Aug.	14·6	17650	17710	24th Sept.	17565	14th Sept.	145	25 25·9
1928	37152	37463	7th July.	36718	8th July.	745	3·8 W.	11·6 E.	8th July.	9·0 W.	19th Sept.	20·6	17698	17778	28th May.	17608	30th April.	170	25 28·3
1929	37209	37316	11th Aug.	36988	12th Mar.	328	5·9 W.	0·5 W.	16th Apr.	11·1 W.	5th Sept.	10·6	17736	17797	24th Nov.	17655	29th Jan.	142	25 29·1
1930	37253	37373	14th Oct.	37021	16th June.	352	8·0 W.	2·6 W.	31st May.	12·7 W.	25th Aug.	10·1	17777	17836	6th Oct.	17692	12th Jan.	144	25 30·6
1931	37323	37417	17th Oct.	37097	29th Oct.	320	10·5 W.	5·7 W.	15th Apr.	15·8 W.	30th June.	10·1	17806	17869	11th Nov.	17726	20th May.	143	25 30·3
1932	37364	37460	25th Nov.	37223	30th May.	237	12·7 W.	7·0 W.	30th May.	18·1 W.	23rd July.	11·1	17830	17895	5th Nov.	17756	29th April.	139	25 30·6
1933	37408	37486	18th Nov.	37206	1st May	280	14·5 W.	10·3 W.	1st May	18·8 W.	27th July	8·5	17848	17913	16th Dec.	17759	18th May	154	25 30·4
1934	37462	37564	7th Nov.	37314	16th Feb.	250	16·2 W.	12·1 W.	11th May	21·3 W.	9th Sept.	9·2	17867	17914	4th Dec.	17793	25th July	121	25 29·9
1935	37524	37651	11th Sept.	37394	24th Oct.	257	17·7 W.	12·3 W.	6th April.	23·4 W.	15th Sept.	11·1	17892	17957	23rd Aug.	17804	21st Aug.	153	25 29·5
1936	37593	37710	21st Sept.	37407	19th June	303	19·9 W.	13·7 W.	19th June	26·4 W.	2nd Oct.	12·7	17902	17978	24th Oct.	17786	27th May.	192	25 27·8

The value of H has been steadily increasing since 1916. The increase from 1935 to 1936 is 69γ and is greater than the average rate of increase, namely 47γ, during the last 10 years. The Westerly Declination increased during the year by 2·2′ which is nearly at the same rate as during the last ten years. The vertical force continued to show a gradual increase, but the inclination which has been slowly decreasing since the year 1933 showed a further decrease of 1′·7.

The following table gives the character figure assigned to each day according to the method adopted by Colaba. The classification which is in eight grades is convertible to the present International classification 0, 1 and 2 according to the following scales :—

C, Ca = 0 ; S, Sa = 1 ; M, Ma, G, VG = 2

Date.	Jany.	Feby.	March.	April.	May.	June.	July.	Augt.	Septr.	Octr.	Novr.	Decr.
1	Ca	C	Ca	Sa	Ca	Sa	Ca	Ca	C	Ca	Ca	Ca
2	Ca	S	C	S	C	Sa	Ma	Ca	C	Ca	S	Ca
3	Ca	Ca	C	Sa	Ca	Ca	S	Ca	C	Ca	S	Ca
4	C	Ca	Ca	Ca	S	Ca	Ca	Ca	Ca	Ca	Ca	S
5	Ca	Ca	Ca	C	Ca	C	Sa	Ca	S	S	Ca	Ca
6	Ca	C	Ca	Ca	Ca	C	Sa	S	C	S	Ca	Ca
7	Ca	Ca	Ca	Ca	C	Ca	S	Ca	Ca	S	S	Ca
8	Sa	C	S	Ca	C	S	Ca	Ca	Ca	S	S	Ca
9	S	S	Ca	Ca	C	M	C	Ca	Ca	Sa	S	C
10	S	S	Ca	C	S	S	Sa	Ca	Ca	S	S	C
11	S	Ca	C	Ca	Sa	Ca	Sa	Ca	S	S	M	C
12	S	Ca	C	Ca	S	Ca	Ca	Ca	Ca	C	Ca	S
13	S	C	Ca	S	Ca	Ca	Ca	Ca	Ca	S	C	S
14	Ca	S	Ca	Ca	Ca	S	C	Ca	Ca	Sa	Ca	Ca
15	Ca	Ca	Ca	S	Ca	S	Ca	Ca	Ca	S	M	Ca
16	C	Sa	Ca	Ca	S	Ca	Ca	Ca	C	M	S	Ca
17	Ca	S	Ca	Ca	Ca	Ca	S	Ca	Ca	Sa	S	Ca
18	S	Ca	Ca	S	S	S	Ca	Ca	S	Sa	S	Ca
19	Ca	S	Ca	S	S	Ma	Ca	C	Ca	Ca	S	C
20	Ca	Ca	S	S	Ca	Sa	Ca	Ca	Ca	S	Ca	Ca

Date.	Jany.	Feby.	March.	April.	May.	June.	July.	August.	Septr.	Octr.	Novr.	Decr.
21	Ca	Sa	Sa	Sa	Ca	C	C	C	Ca	C	C	Ca
22	S	S	S	Sa	C	C	C	C	S	C	C	Ca
23	S	S	Sa	S	C	C	C	Ca	S	Ca	C	Ca
24	M	Ca	Sa	Ca	C	Ca	C	Ca	C	Sa	C	C
25	Sa	S	S	Ca	Ca	C	Ca	Ca	C	S	Ca	Ca
26	S	S	S	C	Ca	S	C	Ca	M	Ca	Ca	Ca
27	Ca	S	S	Ca	C	Ca	Ca	S	S	C	Ca	S
28	Ca	C	Ca	C	Ca	Ca	S	Ca	Ca	C	Ca	M
29	Ca	Ca	C	C	S	C	M	Ca	S	C	Ma	S
30	Ca		C	Ca	S	C	Ca	S	C	Ca	Ca	Ca
31	Ca		Ca		S		Ca	Ca		G		Ca
Mean character figure according to international scheme.	0·42	0·45	0·29	0·37	0·32	0·43	0·61	0·23	0·30	0·71	0·67	0·35

The annual mean character figure, as assigned by the Observatory, for the year 1936 is 0·43, while that assigned for the year 1935 is 0·47 and for 1934, 0·46. The corresponding De Bilt figures are 0·70, 0·70 and 0·56 respectively. October was the most active and August the least active month in the year.

Magnetic Storms.

In plates I, II, III, IV and V are reproduced the magnetic records on disturbed days which have been recommended for publication by the International Commission of Terrestrial Magnetism. The base-line values and scale co-efficients are shown with each curve. The hourly breaks last for 2 to 3 minutes and the time shown against a break is the time at the middle of the break expressed in Greenwich Mean Time. Increasing ordinates for H. and V. curves mean increase in force, and for the declination curves decrease in *westerly* declination.

Absolute observations and Base Line Values.

Declination.

Absolute observations of declination were made once a week on Thursdays with the standard magnetometer No. 7 and Magnets No. 7 (old). For comparative purposes, observations of declination were taken with the auxiliary magnetometer No. 137 and magnetometer No. 7 with No. 7 (new) magnets as already indicated.

Base-line values are derived by converting the ordinates corresponding to absolute observations with instrument No. 7 and magnet No. 7 (old) into angles and subtracting the converted ordinates from the observed absolute declination. The values so obtained of the base-lines of the declination magnetograph denote westerly declination.

The adopted values are derived by taking overlapping means of 5 successive observations and reducing them to the proper epoch, values for intermediate days being obtained by simple interpolation.

Declination base-line values, 1936.

(0° *plus tabular minutes.*)

Date.	Observed.	Adopted.	Date.	Observed.	Adopted.	Date.	Observed.	Adopted.
	′	′		′	′		′	′
January 2	68·4 W	68·3 W	May 1	68·2 W	68·4 W	September 3	68·3 W	68·2 W
,, 9	68·4	68·3	,, 7	68·5	68·3	,, 10	68·2	68·0
,, 16	68·0	68·4	,, 14	68·6	68·3	,, 17	68·2	68·1
,, 23	68·1	68·3	,, 21	68·1	68·3	,, 24	67·6	68·2
,, 30	68·8	68·2	,, 28	68·2	68·3			
						October 1	68·4	68·2
February 6	68·2	68·3	June 4	68·2	68·3	,, 8	68·5	68·2
,, 13	68·0	68·2	,, 11	68·5	68·3	,, 17	68·5	68·4
,, 20	68·1	68·1	,, 18	68·4	68·4	,, 22	68·0	68·4
,, 27	68·0	68·0	,, 25	68·4	68·4	,, 29	68·7	68·4
March 5	68·1	68·1	July 2	68·3	68·2	November 5	68·4	68·4
,, 12	67·9	68·1	,, 9	68·3	68·2	,, 12	68·4	68·5
,, 19	68·2	68·2	,, 16	67·8	68·1	,, 19	68·4	68·5
,, 26	68·1	68·2	,, 23	68·2	68·1	,, 26	68·7	68·6
			,, 30	68·1	68·1			
April 2	68·5	68·3				December 3	68·6	68·7
,, 9	68·2	68·3	August 6	68·3	68·2	,, 10	68·8	68·6
,, 16	68·5	68·4	,, 13	68·1	68·1	,, 17	68·9	68·7
,, 23	68·3	68·3	,, 20	68·3	68·2	,, 24	68·0	68·7
			,, 27	68·0	68·2	,, 31	69·4	68·5

Horizontal Force.

Absolute observations of horizontal force were made every week, on Wednesdays with the standard magnetometer No. 7 and magnets No. 7 (old). Observations with the auxiliary magnetometer No. 137 and magnets No. 137 were taken every four weeks on Mondays and also with magnetometer No. 7 and magnets No. 7 (new) on Fridays once in four weeks as already indicated. A day's observations comprise a double set of vibration and deflection experiments at three distances which for No. 7 are 22·5 cm., 30 cm. and 40 cm. In calculating the base-line values the mean of the observed values at all the three distances has been used.

Base-line values are derived by converting the mean ordinates corresponding to absolute observations with instrument No. 7 in terms of γ and subtracting the converted ordinates from the mean observed absolute horizontal force. They are further reduced to a uniform temperature of 85°F. to make the series comparable from month to month and year to year.

The adopted values are derived by taking overlapping means of 5 successive double sets of observations and reducing them to the proper epoch, values for intermediate days being obtained by interpolation.

Horizontal force base-line values at 85°F., 1936.

Date.	Observed.	Adopted.	Date.	Observed.	Adopted.	Date.	Observed.	Adopted.
	γ	γ		γ	γ		γ	γ
January 2 .	37,274	37,282	May 1 .	37,286	37,292	September 2 .	37,285	37,291
„ 8 .	282	281	„ 8 .	294	291	„ 9 .	289	291
„ 15 .	289	281	„ 13 .	289	288	„ 16 .	295	289
„ 22	281	283	„ 20 .	295	290	„ 23 .	287	291
„ 29 .	277	280	„ 28	275	289	„ 30 .	286	290
February 5 .	37,284	37,277	June 3 .	37,298	37,289	October 7 .	37,296	37,290
„ 12 .	269	275	„ 10 .	289	286	„ 20 .	284	293
„ 19 .	273	276	„ 17 .	287	289	„ 22 .	295	294
„ 26 .	275	275	„ 24 .	280	287	„ 28 .	295	293
March 4 .	37,281	37,278	July 1 .	37,292	37,287	November 4 .	37,297	37,295
„ 11 .	278	282	„ 8 .	288	287	„ 11 .	295	294
„ 18 .	284	284	„ 15 .	290	290	„ 18 .	294	293
„ 25 .	291	285	„ 22 .	284	287	„ 25 .	291	292
			„ 29 .	297	287	December 2 .	37,289	37,291
April 1 .	37,285	37,289	August 5 .	37,276	37,287	„ 9 .	294	291
„ 8 .	287	291	„ 12 .	287	289	„ 16 .	288	290
„ 15 .	296	290	„ 19 .	291	287	„ 23 .	292	288
„ 22 .	295	291	„ 26 .	296	290	„ 30 .	286	286

Vertical Force.

Inclination observations with inductors were made on every day in the year, with the exception of Sundays and holidays, each of the two instruments being observed on alternate days except on Saturdays when both were observed for comparative study.

Base-line values are derived by expressing the mean ordinates of V. F. magnetograms at the time of the inclination observations in terms of γ and subtracting these from the values of vertical force obtained by multiplying the value of H. F. at the time by the tangent of inclination given by Inductor observations. Values derived from Inductor No. 108 are reduced to those derived from Inductor No. 41 (which is the Observatory standard) by applying the mean correction for the month which was deduced from the comparative observations taken on Saturdays of every week.

The adopted values were derived by taking overlapping means of 7 successive observations and reducing them to the proper epoch; values for other days were obtained by interpolation.

As already remarked the V. F. magnetograph showed frequent changes of zero and it became necessary to adjust it once in the beginning of October and again towards the end of the same month. After readjustment the sensitiveness was reduced to about two-thirds of its former value.

Vertical force base-line values, 1936.

Date.	Observed.	Adopted.	Date.	Observed.	Adopted.	Date.	Observed.	Adopted.
	ϒ	ϒ		ϒ	ϒ		ϒ	ϒ
January 1 .	17,790	17,803	May 2 .	17,851	17,848	September 2 .	17,916	17,904
„ 8 .	765	780	„ 8 .	820	817	„ 9 .	977	931
„ 15 .	814	803	„ 13 .	839	838	„ 16 .	901	896
„ 22 .	833	823	„ 20 .	797	815	„ 23 .	902	905
„ 29 .	786	805	„ 28 .	831	838	„ 30 .	* 966	945
						October 7 .	17,725	17,714
February 5 .	17,834	17,831	June 2 .	17,841	17,833	„ 20 .	671	660
„ 12 .	850	842	„ 10 .	840	827	„ 22 .	* 657	661
„ 19 .	848	846	„ 17 .	837	833	„ 28 .	915	919
„ 26 .	860	850	„ 24 .	822	863			
March 4 .	17,819	17,832	July 1 .	17,886	17,875	November 4 .	17,900	17,904
„ 11 .	810	817	„ 8 .	924	903	„ 11 .	985	948
„ 18 .	833	833	„ 15 .	925	910	„ 18 .	990	988
„ 25 .	872	861	„ 22 .	915	894	„ 25 .	892	896
April 1 .	17,868	17,849	„ 29 .	899	887	December 2 .	17,888	17,881
„ 8 .	859	842	August 5 .	17,896	17,887	„ 9 .	899	900
„ 15 .	827	827	„ 12 .	904	897	„ 17 .	853	849
„ 22 .	834	841	„ 19 .	894	891	„ 23 .	829	834
„ 29 .	881	871	„ 26 .	891	887	„ 31 .	836	825

*V. F. Magnetograph was adjusted on the 4th and the 26th October.

Seismographs.

Two Milne-Shaw Seismographs (N-S and E-W components), were in continuous action in the underground constant temperature room, and both gave excellent records of earthquakes and microseisms during the year. The earthquakes recorded by these instruments will be found tabulated at the end of the volume. The magnification of the N-S instrument was 250 : 1 and that of the E-W instrument 350 : 1. The locally constructed seismograph of the Omori type (N-S and E-W components) was kept in continuous operation during the year as an auxiliary instrument.

The total number of seismic disturbances recorded at Bombay during the year was 241 of which the distance could be determined in 66 cases ; the epicentre is available in 49 cases. The number of earthquakes in India, Burma and their neighbourhood (the area lying between latitude 0° N. to 40° N. and longitude 60° E. to 110° E.) was 10 ; besides these there were 9 instances in which though the phases were not definite, the recorded movements could be identified as due to shocks recorded by voluntary observers in the area. The number of shocks designated as great was 3 in which the maximum earth-movements ranged between 112μ and 446μ. There were 5 cases in which the amplitudes reached values ranging between 170μ and 432μ. There were thus 8 instances in which the earth-movements at Bombay exceeded an amplitude of 0·1 mm. the highest value being 0·4 mm.

Atmospheric Electricity.

Systematic registration of atmospheric potential gradient was continued during the year. A photographic electrograph by the Cambridge Scientific Instrument Co., as described in the Journal of Scientific Instruments, Vol. V, May 1928, pages 145-152, was received in May 1930 and installed on the 13th June 1930 in the old Milne seismograph room. It was removed to a specially constructed room in the open space near the sea coast on the 28th February 1931 and the radium collector was exposed through a hole in the western wall at a height of 168 cm. above ground and on undisturbed days at a distance of 40 cm. from the wall. The reduction factor required to convert the potential gradients recorded by the instrument to those that would be observed in an open plain was determined by taking a number of observations on the neighbouring sea coast with a long horizontal stretched wire at a height of about a meter from the ground, an ionium collector and a Wulf bifilar electrometer. The mean factor obtained was 1·92 as against the value 1·50 previously adopted. All the values in this volume have been corrected by the new factor. In tables I, II, and III are given the mean values of the potential gradients for one hour intervals centred at half hours of Indian Standard Time. The means in table I have been derived from all the positive readings. The daily means given in Table II are based on all the complete days using both positive and negative values while Table III gives values based on ten electrically quiet days in each month. This selection was made as nearly as possible from ten complete days in the months. In Table IV are given the electrical character figures and the duration of negative potential gradients on different days. In assigning these figures the same convention has been adopted as those followed by the Kew Observatory (please see The Observatories Year Book, 1935, p. 365). That is, figure 0 means that there was no negative potential, 1 means that the total duration of negative potential gradient was less than 3 hrs. and 2 that the duration of negative gradient was 3 hrs. or more.

K. R. RAMANATHAN,
Meteorologist, Bombay.
Colaba Observatory, Bombay,
The 22nd November 1937.

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Meteorological Tables.

(Colaba Observatory.)

BAROMETRIC PRESSURE, 1936.

JANUARY.

(Averages for sixty minutes from full hour to full hour of local mean time.)

(IN INCHES OF MERCURY AT 32° F.)

Date.	Hours (B. M. T.).													
	0—1	1—2	2—3	3—4	4—5	5—6	6—7	7—8	8—9	9—10	10—11	11—12	12—13	13—14
1	29·897	29·871	29·863	29·858	29·869	29·874	29·897	29·911	29·933	29·945	29·943	29·907	29·891	29·867
2	·933	·915	·910	·901	·908	·916	·944	·962	·991	·996	·996	·971	·948	·919
3	·978	·966	·954	·944	·953	·959	·977	·992	30·020	30·018	30·010	·979	·943	·911
4	·931	·924	·918	·910	·914	·918	·943	·958	29·994	29·999	·005	·979	·952	·922
5	·975	·957	·940	·930	·936	·943	·960	·983	30·002	30·005	·004	·980	·956	·926
6	·957	·935	·923	·906	·916	·922	·948	·962	29·989	29·997	29·996	·971	·948	·921
7	·956	·947	·940	·936	·937	·942	·966	·982	30·006	30·016	30·006	·976	·946	·912
8	·953	·939	·929	·922	·935	·929	·951	·970	·001	29·993	29·995	·967	·933	·913
9	·957	·944	·936	·927	·928	·932	·951	·964	29·985	·987	·977	·953	·933	·915
10	·971	·954	·945	·934	·943	·945	·965	·981	30·013	30·033	30·032	30·014	·983	·959
11	30·000	·982	·974	·969	·973	·975	·990	·998	·026	·036	·034	·001	·966	·926
12	29·964	·939	·927	·914	·925	·933	·957	·967	29·999	·001	29·999	29·963	·937	·899
13	·915	·891	·881	·873	·881	·885	·913	·933	·965	29·961	·957	·917	·899	·877
14	·904	·893	·890	·881	·903	·909	·935	·941	·973	·975	·973	·957	·937	·905
15	·936	·913	·900	·890	·902	·901	·924	·936	·969	·972	·968	·941	·923	·886
16	·902	·883	·870	·858	·867	·868	·892	·897	·931	·933	·925	·883	·853	·825
17	·872	·854	·852	·850	·868	·876	·900	·912	·936	·940	·928	·898	·866	·846
18	·871	·853	·841	·827	·836	·847	·880	·897	·922	·921	·920	·892	·872	·840
19	·865	·851	·843	·831	·853	·863	·879	·899	·927	·934	·937	·907	·877	·851
20	·903	·886	·879	·867	·875	·879	·909	·924	·959	·961	·959	·936	·914	·884
21	·941	·931	·931	·927	·937	·945	·971	·979	30·009	30·017	30·005	·967	·937	·917
22	·933	·923	·921	·917	·927	·930	·938	·957	29·986	29·997	29·997	·973	·943	·910
23	·947	·929	·921	·919	·921	·921	·932	·949	·977	·995	·999	·973	·948	·920
24	·932	·917	·909	·895	·903	·909	·937	·949	·978	·990	·985	·957	·931	·895
25	·907	·891	·883	·881	·896	·909	·937	·951	·977	·980	·982	·957	·927	·906
26	·958	·943	·932	·925	·935	·935	·968	·988	30·025	30·026	30·023	·992	·963	·930
27	·981	·971	·964	·955	·970	·974	·990	30·001	·024	·023	·019	·991	·949	·925
28	·931	·909	·901	·884	·890	·890	·920	29·935	29·967	29·974	29·979	·959	·942	·922
29	·974	·965	·959	·955	·965	·979	30·014	30·032	30·055	30·068	30·074	30·050	30·023	30·005
30	30·012	·989	·984	·975	·985	·994	·031	·053	·086	**·087**	·080	·041	·005	29·969
31	29·985	·965	·961	·952	·961	·961	29·989	·001	·024	·023	·012	29·981	29·943	·913
Mean .	29·940	29·924	29·916	29·907	29·917	29·921	29·945	29·960	29·989	**29·994**	29·991	29·962	29·935	29·907
Variation	+·006	—·010	—·018	—·027	—·017	—·013	+·011	+·026	+·055	**+·060**	+·057	+·028	+·001	—·027
Mean in millibars.	1013·89	1013·35	1013·08	1012·78	1013·12	1013·24	1014·06	1014·57	1015·55	**1015·73**	1015·62	1014·64	1013·72	1012·78
Variation in millibars.	+·20	—·34	—·61	—·91	—·57	—·45	+·37	+·88	+1·86	**+2·04**	+1·93	+·95	+·03	—·91

FEBRUARY.

1	29·934	29·914	29·901	29·894	29·899	29·906	29·934	29·965	29·991	29·992	29·989	29·966	29·936	29·902
2	·956	·942	·946	·938	·940	·953	·979	·989	30·017	30·034	30.030	30·022	·982	·960
3	·974	·965	·948	·939	·947	·952	·970	·980	·006	·014	·016	29·988	·958	·926
4	·948	·922	·906	·911	·916	·916	·944	·950	29·975	29·980	29·978	·951	·920	·893
5	·958	·938	·929	·921	·927	·929	·949	·965	·990	·996	·990	·956	·929	·902
6	·913	·908	·896	·893	·902	·910	·930	·942	·966	·970	·966	·936	·906	·883
7	·910	·902	·897	·898	·904	·910	·924	·940	·974	·980	·976	·958	·933	·906
8	·953	·947	·934	·934	·943	·957	·983	·997	30·023	**30·035**	30·025	·997	·978	·938
9	·947	·932	·914	·911	·914	·922	·946	·957	29·972	29·982	29·972	·952	·917	·893
10	·873	·849	·829	·838	·853	·867	·880	·903	·931	·938	·929	·911	·871	·859
11	·880	·868	·864	·866	·871	·881	·910	·928	·942	·962	·952	·948	·920	·900
12	·961	·945	·931	·924	·929	·947	·969	·981	·991	30·003	30·008	·983	·959	·933
13	·969	·949	·931	·928	·929	·947	·967	·975	·997	29·997	29·998	·983	·947	·937
14	·929	·921	·917	·921	·923	·935	·959	·978	·990	·999	·995	·967	·941	·917
15	·933	·925	·919	·919	·924	·937	·964	·983	30·001	30·013	30·009	·987	·951	·929
16	·909	·901	·891	·898	·909	·923	·929	·953	29·977	29·995	29·980	·959	·923	·882
17	·885	·874	·869	·869	·867	·880	·898	·916	·940	·946	·935	·914	·876	·848
18	·859	·851	·847	·849	·850	·863	·886	·903	·918	·928	·925	·911	·885	·851
19	·883	·867	·854	·853	·848	·858	·877	·905	·923	·943	·940	·925	·887	·865
20	·898	·888	·875	·875	·878	·897	·920	·944	·961	·975	·972	·947	·906	·867
21	·864	·852	·839	·836	·841	·851	·860	·880	·900	·909	·883	·861	·827	·795
22	·814	·801	·784	·781	·785	·799	·820	·842	·864	·883	·874	·849	·826	·796
23	·840	·828	·820	·812	·810	·824	·847	·872	·904	·917	·916	·912	·883	·858
24	·870	·858	·853	·852	·856	·865	·895	·915	·940	·956	·954	·936	·910	·863
25	·884	·874	·862	·861	·858	·868	·894	·916	·928	·942	·938	·916	·892	·853
26	·885	·877	·863	·862	·866	·874	·897	·917	·935	·946	·929	·921	·898	·881
27	·913	·901	·892	·889	·892	·903	·926	·946	·966	·976	·972	·951	·920	·894
28	·876	·863	·856	·858	·864	·884	·903	·916	·936	·951	·938	·918	·890	·863
29	·841	·826	·820	·822	·822	·832	·856	·872	·896	·904	·899	·888	·870	·850
Mean .	29·905	29·893	29·882	29·881	29·885	29·896	29·918	29·936	29·957	**29·968**	29·962	29·942	29·912	29·884
Variation.	+·002	—·010	—·021	—·022	—·018	—·007	+·015	+·033	+·054	**+·065**	+·059	+·039	+·009	—·019
Mean in millibars.	1012·71	1012·30	1011·93	1011·89	1012·03	1012·40	1013·15	1013·75	1014·47	**1014·84**	1014·64	1013·96	1012·95	1012·60
Variation in millibars.	+·07	—·34	—·71	—·75	—·61	—·24	+·49	+1·11	+1·83	**+2·20**	+2·00	+1·32	+·31	—·64

ANUARY.

(Averages for sixty minutes from full hour to full hour of local mean time.)

(IN INCHES OF MERCURY AT 32° F.)

Hours (B. M. T.).										Mean.		Maximum.		Minimum.		Date.
14—15	15—16	16—17	17—18	18—19	19—20	20—21	21—22	22—23	23—24	Inches.	Milibars	Time.	Mag	Time.	Mag.	
												H. M.		H. M.		
29·855	29·848	29·868	29·877	29·907	29·921	29·944	29·946	29·945	29·933	29·899	1012·50	21 10	29·965	15 30	29·843	1
·915	·912	·926	·935	·963	·981	30 004	30·001	·997	·982	·951	1014·26	9 0	30·016	3 45	·894	2
·890	·877	·886	·889	·912	·926	29·939	29·944	·945	·937	·948	10 4·16	9 8	·023	15 58	·875	3
·910	·896	·914	·921	·946	·958	·984	·984	·987	·980	·948	1014·16	9 16	·022	15 16	·894	4
·918	·914	·920	·928	·950	·972	·996	·996	·989	·970	·960	1014·57	8 46	·010	15 40	·898	5
·903	·894	·901	.903	·929	·944	·965	·967	·968	·955	·943	1013·99	9 6	·001	15 23	·887	6
·897	·886	·894	·896	·923	·938	·967	·965	·965	·956	·948	1014·16	9 0	·022	15 32	·882	7
·903	·898	·905	·906	·930	·938	·968	·979	·975	·961	.946	1014·09	8 50	·007	16 12	·877	8
·905	·903	·907	·910	·941	·956	·980	·989	·992	·971	·948	1014·16	21 22	29·999	15 52	·901	9
·950	·937	·940	·947	·975	·991	30·012	30·014	30·020	30·009	·978	1015·18	9 10	30·037	3 40	·929	10
·909	·896	·896	·896	·918	.932	29·956	29·967	29·977	29·970	·965	1014·74	9 12	·040	16 32	·884	11
·879	·865	·867	·868	·892	·907	·933	·943	·937	·923	·931	1013·58	9 0	·013	16 4	·853	12
·846	·836	·829	·832	·855	·867	·895	·897	·912	·902	·892	1012·27	8 48	29·973	15 52	·807	13
·889	·886	·883	·881	·911	·930	·959	·959	·959	·938	·924	1013·35	8 50	·977	17 2	869	14
·872	·864	·871	·871	·891	·894	·915	·915	·917	·905	·911	1012·91	9 12	·974	15 46	·860	15
·814	**·806**	·819	·827	·852	·859	·883	·883	·883	·873	·870	1011·52	8 48	·935	15 44	**·799**	16
·826	·822	·828	·828	·859	·863	·883	·881	·883	·871	·873	1011·62	9 4	·944	16 0	·818	17
·823	·817	·826	·827	·849	·866	·881	·878	·879	·868	**·864**	**1011·32**	8 48	.929	15 56	·809	18
·841	·834	·844	·845	·875	·897	·925	·925	·927	·910	·881	1011·89	9 10	·941	3 30	·815	19
·866	·858	·866	·876	·906	·929	·952	·954	·962	·950	·911	1012·91	21 20	·970	16 26	·852	20
·893	·882	·887	·890	·916	·928	·959	·951	·950	·936	·942	1013·96	9 4	30·027	15 50	·879	21
·892	·881	·891	·894	·913	·923	·953	·955	·963	·949	·936	1013·75	9 5	·007	15 55	·875	22
·901	·883	·886	·888	·914	·915	·935	·934	945	·931	·933	1013 65	9 35	·005	15 15	·879	23
·877	·863	·872	·871	·891	·899	·916	·916	·925	·913	·918	1013·15	10 0	29·999	15 30	·861	24
·889	·880	·889	·896	·923	·939	·962	·963	·965	·954	·927	1013·45	9 0	·989	15 30	.873	25
·912	·900	·912	·922	·950	·965	·986	·985	29·985	·970	·960	1014·57	9 25	30·037	16 10	·897	26
·881	·877	·895	·896	·919	·932	·950	·949	·948	·928	·955	1014·40	9 30	·035	16 5	·877	27
·913	·913	·920	·932	·959	·976	·992	·992	·988	·972	·940	1013·89	21 5	29.995	4 25	·871	28
·985	·972	·980	·980	30·003	30·015	30·028	30·028	30·028	30·015	**30·006**	**1016·12**	10 13	30·076	3 20	·946	29
·942	·921	·922	·926	29·952	29·965	29·991	29·992	·002	29·996	29·996	1015·79	9 10	**·098**	16 35	·914	30
·894	·879	·887	·897	·927	·944	·965	·960	29·955	·937	·955	1014·40	9 32	·034	16 25	·878	31
29·890	**29·881**	29·888	29·892	29·918	29·931	29·954	29·955	29·957	29·944	29·934						Mean.
—·044	—**·053**	—·046	—·042	—·016	—·003	+·020	+·021	+·023	+·010							Variation.
1012·20	**1011·89**	1012·13	1012·27	1013·15	1013·58	1014·37	1014·40	1014·47	1014·06	1013·69						Mean in milli bars.
—1·49	**—1·80**	—1·56	—1·42	—·54	—·11	+·68	+·71	+·78	+·34							Variation in milli bars.

FEBRUARY.

29·891	29·882	29·896	29·905	29·932	29·938	29·960	29·958	29·970	29·962	29·934	1013·69	9 0	29·998	15 20	29·876	1
·943	**·936**	·942	·940	·952	·966	·986	·989	·992	·983	**·972**	**1014·98**	10 20	30·038	17 40	·926	2
·899	·893	·890	·891	·906	·920	·948	·962	·964	·956	·951	1014·26	9 50	·026	16 38	·878	3
·870	·868	·886	·896	·922	·940	·968	·968	·966	·961	·931	1013·58	9 20	29·988	15 20	·856	4
·879	·871	·872	·877	·886	·893	·910	·919	·916	·918	·926	1013·41	9 10	30·001	15 0	·861	5
·868	·862	·871	·874	·886	·893	·912	·918	·924	·920	·910	1012·88	9 20	29·976	15 0	·842	6
·884	·876	·884	·888	·904	·924	·944	·950	·958	·954	·924	1013·35	9 50	·984	15 25	·862	7
·901	·896	·897	·907	·927	·940	·953	·962	·967	·959	·956	1014·43	9 20	**30·043**	15 33	·883	8
·868	·858	·862	·865	·876	·900	·908	·906	·906	·898	·916	1013·08	9 15	29·990	15 50	·840	9
·821	·813	·817	·834	·856	·873	·899	·912	·911	·911	·874	1011·66	9 2	·945	15 45	·799	10
·864	·864	·870	·882	·906	·923	·942	·954	·954	·964	·909	1012·84	10 0	·970	14 40	·846	11
·914	·907	·911	·912	·925	·952	·981	·982	·985	·985	·955	1014·40	9 22	30·015	15 49	·895	12
·916	·916	·909	·913	·926	·937	·937	·941	·939	·931	·947	1014·13	10 8	·007	16 6	·905	13
·882	·871	·875	·880	·897	·913	·935	·938	·943	·941	·932	1013·62	9 35	·005	15 30	·857	14
·893	·885	·881	·894	·899	·923	.939	·944	·941	·933	·939	1013·85	9 16	·025	15 50	·869	15
·857	·846	·846	.857	·863	·884	·902	·910	·901	·897	·908	1012·81	9 24	·001	15 40	·837	16
·824	·814	·814	·823	·834	·857	·868	·876	·870	·868	·874	1011·66	9 10	29·958	15 55	·798	17
·820	·807	·811	·820	·830	·845	·863	·880	·892	·897	·866	1011·38	9 48	·939	15 58	·803	18
·834	·828	·825	·834	·846	·871	·897	·905	·901	·901	·878	1011·79	10 2	.949	16 4	·821	19
·835	·822	·820	·830	·841	·861	·878	·878	·867	·866	·888	1012·13	10 0	·981	16 0	·807	20
·757	·742	**·736**	·746	·763	·781	·811	·821	·823	·821	·825	1010·00	9 26	·915	16 15	**·723**	21
·775	·762	·760	·762	·778	·800	·823	·838	·846	·848	**·813**	**1009·59**	9 57	·890	15 40	·746	22
·832	·832	·838	·842	·846	·855	·870	·878	·898	·898	·860	1011·18	10 18	·922	3 50	·796	23
·834	·826	·829	·842	·852	·862	·884	·898	·902	·897	·881	1011·89	9 40	·962	15 15	·816	24
·830	·814	·816	·824	·840	·861	·880	·896	·901	900	877	1011·76	9 50	·954	16 0	·804	25
·862	·851	·862	·874	·893	·911	·925	·935	·931	·926	·897	1012·44	9 32	·949	15 20	·843	26
·866	·856	·848	·850	·862	·878	·894	·901	·899	·888	·903	1012 64	9 28	·980	15 50	·846	27
·842	·827	·826	·827	·830	844	·862	·864	·864	·860	·873	1011·62	9 40	·954	16 0	·818	28
·826	·820	·827	·833	·846	·864	·881	·889	·894	·891	·857	1011·08	9 30	·912	3 40	·804	29
29·858	**29·850**	29·852	29·859	29·873	29·890	29·909	29·916	29·918	29·915	29·903						Mean.
—·045	—**·053**	—·051	—·044	—·030	—·013	+·006	+·013	+·015	+·012							Variation.
1011·11	1010·84	1010·91	1011·14	1011·62	1012·20	1012·84	1013·08	1013·18	1013·05	1012·64						Mean in millibars.
—1·53	—1·80	—1·73	—1·50	—1·02	—·44	+·20	+·44	+·51	+·41							Variation in millibars.

BAROMETRIC PRESSURE, 1936.

MARCH. (Averages for sixty minutes from full hour to full hour of local mean time.)

(IN INCHES OF MERCURY AT 32° F.)

Date.	Hours (B. M. T.) 0—1	1—2	2—3	3—4	4—5	5—6	6—7	7—8	8—9	9—10	10—11	11—12	12—13	13—14
1	29·873	29·859	29·839	29·837	29·837	29·854	29·877	29·899	29·927	29·939	29·943	29·925	29·897	29·865
2	·929	·917	·901	·902	·912	·926	·945	·964	·983	·987	·979	·958	·935	·910
*3	..	..	..	..	..	..	..	..	..	..	..	..	..	..
*4	..	..	..	..	..	..	..	..	..	..	..	..	..	..
*5	..	..	..	..	..	..	..	..	..	..	..	..	..	..
6	·844	·837	·830	·822	·818	·826	·854	·878	·902	·918	·920	·901	·870	·840
7	·878	·866	·852	·854	·858	·874	·904	·930	·950	·960	·956	·942	·902	·877
8	·894	·884	·871	·875	·879	·891	·922	·943	·959	·970	·969	·953	·925	·910
9	·935	·921	·901	·896	·892	·900	·910	·924	·934	·935	·930	·923	·896	·870
10	·848	·838	·825	·822	·825	·934	·858	·876	·898	·909	·906	·885	·842	·822
11	·840	·827	·810	·815	·823	·841	·862	·884	·898	·909	·899	·887	·865	·840
12	·842	·829	·820	·820	·825	·850	·884	·914	·940	·953	·949	·926	·894	·874
13	·901	·891	·869	·867	·877	·896	·922	·935	·951	·967	·961	·945	·922	·894
14	·907	·884	·864	·856	·853	·861	·891	·915	·930	·934	·932	·909	·874	·847
15	·842	·833	·820	·810	·808	·822	·836	·859	·872	·886	·870	·850	·815	·778
16	·805	·793	·786	·776	·782	·800	·824	·833	·848	·850	·850	·842	·823	·785
17	·836	·827	·819	·820	·822	·838	·856	·873	·895	·901	·898	·873	·843	·817
18	·834	·826	·809	·807	·810	·821	·837	·863	·875	·885	·891	·883	·859	·837
19	·847	·840	823	·824	·833	·847	·865	·882	·897	·898	·893	·872	·851	·833
20	·864	·858	·848	·846	·858	·880	·906	·929	·955	·968	·968	·946	·916	·888
21	·938	·931	·923	·928	·934	·956	·972	·988	30·001	**30·003**	·990	·970	·938	·914
22	·915	·901	·896	·888	·888	·903	·925	·946	29·966	29·974	·973	·949	·923	·893
23	·890	·867	·854	·855	·857	·872	·884	·907	·926	·933	·929	·912	·877	·842
24	·822	·803	·790	·787	·789	·799	·818	·837	·853	·857	·855	·835	·795	·770
25	·810	·790	·788	·787	·788	·805	·828	·852	·877	·895	·892	·873	·848	·837
26	·867	·850	·844	·843	·850	·862	·891	·916	·930	·935	·934	·922	·889	·849
27	·847	·839	·815	·813	·825	·843	·865	·883	·901	·915	·905	·883	·868	·833
28	·837	·825	·814	·807	·811	·824	·835	·862	·885	·902	·895	·868	·835	·809
29	·821	·817	·805	·805	·802	·819	·836	·846	·855	·856	·845	·827	·794	·774
30	·806	·796	·787	·779	·787	·809	·827	·847	·876	·878	·871	·841	·799	·767
31	·786	·776	·761	·755	·767	·785	·803	·821	·832	·839	·829	·822	·785	·761
Mean	29·859	29·847	29·834	29·832	29·836	29·851	29·873	29·893	29·911	**29·920**	29·915	29·897	29·867	29·841
Variation	+·004	—·008	—·021	—·023	—·019	—·004	+·018	+·038	+·056	**+·065**	+·060	+·042	+·012	—·014
Mean in millibars.	1011·14	1010·75	1010·31	1010·24	1010·37	1010·87	1011·62	1012·30	1012·91	**1013·21**	1013·05	1012·44	1011·42	1010·54
Variation in millibars.	+·13	—·26	—·70	—·77	—·64	—·14	+·61	+1·29	+1·90	**+2·20**	+2·04	+1·43	+·41	—·47

APRIL.

1	29·792	29·791	29·793	29·790	29·794	29·800	29·820	29·839	29·862	29·870	29·864	29·840	29·820	29·798
2	·849	·828	·814	·815	·818	·830	·845	·876	·895	·894	·882	·862	·831	·808
3	·799	·775	·774	·766	·773	·783	·793	·819	·845	·854	·853	·828	·795	·768
4	·767	·764	·750	·743	·752	·765	·777	·799	·825	·835	·832	·821	·784	·752
5	·766	·754	·743	·739	·747	·756	·772	·792	·821	·826	·824	·814	·795	·766
6	·795	·774	·761	·762	·771	·782	·814	·836	·856	·869	·865	·851	·817	·797
7	·827	·811	·803	·799	·805	·824	·846	·876	·891	·900	·896	·884	·854	·829
8	·831	·822	·805	·806	·814	·824	·833	·862	·874	·874	·869	·859	·827	·809
9	·822	·805	·794	·785	·793	·806	·819	·835	·855	·852	·846	·831	·806	·783
10	·831	·824	·816	·816	·827	·844	·865	·885	·904	·913	·901	·896	·867	·846
11	·853	·838	·825	·817	·823	·826	·842	·873	·894	·894	·894	·871	·839	·817
12	·802	·793	·783	·783	·791	·804	·817	·838	·845	·850	·844	·827	·795	·783
13	·796	·792	·784	·775	·782	·793	·816	·839	·855	·856	·843	·834	·808	·785
14	·831	·826	·821	·824	·829	·841	·859	·876	·894	·897	·889	·877	·848	·824
15	·836	·827	·825	·826	·837	·845	·875	·899	·912	·909	·896	·878	·839	·806
16	·806	·801	·784	·774	·789	·802	·832	·865	·878	·884	878	·865	·817	·790
17	·809	·799	·787	·783	·781	·806	·833	·861	·880	·880	·864	·849	·829	·801
18	·804	·792	·777	·767	·781	·804	·837	·869	·891	·896	·897	·881	·845	·817
19	·849	·838	·840	·832	·828	·857	·879	·897	**·917**	·913	·901	·883	·859	·828
20	·818	·807	·800	·791	·799	·816	·823	·841	·863	·867	·860	·846	·812	·778
21	·779	·749	·738	·739	·747	·757	·777	·801	·817	·816	·817	·798	·770	·747
22	·779	·769	·756	·761	·759	774	·788	·798	·817	·826	·818	·801	·782	·765
23	·757	·746	·736	·740	·750	·755	·781	·807	·816	·818	·819	·810	·786	·773
24	·775	·765	·764	·764	·758	·763	·789	·813	·826	·836	·833	·826	·785	·769
25	·778	·768	·756	·766	·775	·787	·805	·831	·837	·843	·843	·836	·810	·782
26	·773	·767	·748	·745	·753	·761	·771	·786	·818	·827	·823	·810	·788	·755
27	·763	·752	·742	·739	·748	·777	·809	·836	·861	·858	·856	·842	·820	·811
28	·826	·815	·806	·805	·817	·828	·853	·875	·896	·896	·885	·876	·859	·828
29	·817	·803	·796	·793	·803	·817	·845	·870	·878	·885	·873	·856	·830	·806
30	·767	·752	·737	·735	·738	·747	·765	·790	·811	·812	·797	·776	·758	·718
Mean .	29 803	29·792	29·782	29·779	29·786	29·799	29·819	29·843	29·861	**29·865**	29·859	29·844	29·816	29·791
Variation.	—·001	—·012	—·022	—·025	—·018	—·005	+·015	+·039	+·057	**+·061**	+·055	+·040	+·012	—·013
Mean in millibars.	1009·25	1008·88	1008·54	1008·44	1008·67	1009·11	1009·79	1010·61	1011·21	**1011·35**	1011·14	1010·65	1009·69	1008·84
Variation in millibars.	·—04	—·41	—·75	—·85	—·62	—·18	+·50	+1·32	+1·92	+2·06	+1·85	+1·36	+·40	—·45

* Record destroyed by accidental fire. The day has been omitted for taking means.

MARCH. (Averages for sixty minutes from full hour to full hour of local mean time.)

(IN INCHES OF MERCURY AT 32° F.)

Hours. (B. M. T.).										Mean.		Maximum.		Minimum.		Date.
14—15	15—16	16—17	17—18	18—19	19—20	20—21	21—22	22—23	23—24	Inches.	Millibars.	Time.	Mag.	Time.	Mag.	
												H. M.		H. M.		
29·847	29·844	29·854	29·867	29 880	29·897	29·925	29·943	29·950	29·943	29·888	1012·13	22 33	29·957	3 40	29·827	1
·883	·876	·884	·893	·907	·926	·944	·954	·949	·937	·929	1013·51	9 10	·999	15 43	·874	2
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	3*
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	4*
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	5*
·800	·790	·786	·794	·812	·838	·868	·880	·881	·885	·850	1010·84	10 10	·924	15 20	·776	6
·855	·840	·844	·851	·862	·880	·900	·907	·902	·901	·889	1012·16	10 10	·964	15 58	·836	7
·883	·867	·862	·864	·875	·893	·913	·933	·941	·941	·909	1012·84	10 5	·979	16 20	·851	8
·844	·831	·837	·843	·840	·846	·858	·870	·862	·863	·886	1012·06	9 30	·942	15 20	·820	9
·799	·784	·776	·783	·795	·809	·832	·850	·852	·852	·838	1010·44	9 25	·914	15 40	·766	10
·805	·793	·775	·780	·795	·813	·835	·850	·848	·847	·839	1010·47	9 50	·911	17 25	·771	11
·844	·828	·825	·836	·846	·865	·885	·903	·910	·910	·874	1011·66	10 5	·960	2 50	·810	12
·877	·866	·855	·859	·873	·894	·930	·939	·935	·931	·907	1012·78	9 35	·971	16 15	·847	13
·809	·791	·787	·794	·809	·828	·849	·872	·865	·862	·864	1011·32	8 55	·940	15 56	·782	14
·749	·734	·724	·730	·753	·780	·806	·818	·813	·814	·809	1009·45	9 40	·888	16 20	·720	15
·764	·750	·740	·746	·766	·800	·831	·850	·850	·846	·806	1009·35	9 10	·860	17 0	·732	16
·795	·785	·781	·793	·804	·825	·849	·862	·859	·851	·838	1010·44	9 45	·905	16 0	·773	17
·821	·806	·801	·811	·835	·861	·877	·886	·875	·863	·844	1010·65	10 0	·895	15 55	·797	18
·811	·805	·801	·804	·825	·847	·871	·885	·878	·873	·850	1011·84	9 10	·905	15 44	·791	19
·858	·846	·845	·850	·872	·905	·931	·949	·954	·953	·900	1012·54	9 32	·978	16 0	·838	20
·877	·859	·856	·859	·873	·889	·918	·940	·936	·929	**·930**	**1013·55**	9 10	**30·010**	16 4	·848	21
·868	·749	·842	·846	·854	·876	·886	·903	·907	·907	·903	1012·64	9 30	29·978	16 15	·835	22
·806	·789	·776	·767	·776	·797	·823	·838	·845	·836	·852	1010·91	9 8	·940	17 20	·763	23
·749	·736	·740	·729	·747	·778	·808	·837	·837	·828	·800	1009·15	9 15	·861	16 4	·722	24
·812	·802	·803	·808	·817	·830	·876	·902	·890	·870	·837	1010·41	21 28	·907	4 0	·783	25
·828	·816	·815	·835	·872	·875	·869	·867	·858	·848	·869	1011·48	9 20	·939	15 42	·805	26
·802	·787	·790	·806	·817	·832	·848	·865	·858	·853	·846	1010·71	9 25	·919	16 18	·781	27
·776	·754	·747	·754	·776	·801	·827	·845	·841	·834	·823	1009·93	9 46	·904	15 48	·746	28
·755	·736	·727	·737	·755	·775	·797	·817	·829	·825	·802	1009·22	9 0	·860	16 20	·720	29
·743	·721	·717	·717	·726	·736	·764	·785	·789	·785	·790	10 8·81	9 2	·880	16 14	·712	30
·737	·723	**·709**	·714	·737	·765	·794	·805	·805	·797	**·779**	**1008·44**	9 20	·846	16 15	**·700**	31
29·814	29·800	**29·796**	29·803	29·818	29·838	29·861	29·877	29·876	29·871	29·855						Mean
—·041	—·055	**—·059**	—·052	—·037	—·017	+·006	+·022	+·021	+·016							Variation.
1009·63	1009·15	**1009·01**	1009·25	1009·76	1010·44	1011·21	1011·76	1011·72	1011·55	1011·01						Mean in millibars
—1·38	—1·86	**—2·00**	—1·76	—1·25	—·57	+·20	+·75	+·71	+·54							Variation. in millibars.

APRIL.

29·780	29·771	29·758	29·765	29·785	29·803	29·824	29·840	29·858	29·853	29.813	1009·59	9 6	29·876	16 22	29·751	1
·766	·746	·750	·758	·784	·804	·820	·833	·828	·819	·823	1009·93	8 58	·901	16 10	·741	2
·745	·735	·727	·734	·752	·768	·784	·8 2	·794	·785	·785	10 8·64	9 46	·861	17 0	·719	3
·734	·720	·721	·725	·743	·757	·773	·783	·785	·775	·770	1008·14	9 25	·841	15 56	·715	4
·748	·744	·739	·752	·762	·778	·800	·822	·815	·812	·779	1008·44	9 10	·828	3 40	·730	5
·775	·775	·768	·776	·783	·805	·824	·845	·843	·843	·808	1009·42	9 18	·874	2 45	·756	6
·809	·795	·788	·794	·810	·831	·835	·844	·846	·843	·835	1010·34	9 38	·904	15 32	·784	7
·785	·784	·775	·789	·796	·814	·832	·844	·852	·835	·825	1010·00	9 0	·898	16 30	·766	8
·753	·746	·742	·752	·767	·795	·815	·826	·831	·827	·803	1009·25	8 40	·859	16 20	·736	9
·823	·824	·813	·817	·827	·839	·858	·869	·872	·864	**·852**	**1010·91**	9 30	**·922**	16 22	·803	10
·795	·786	·786	·788	·804	·822	·833	·834	·834	·820	·834	1010·31	9 20	·896	16 40	·778	11
·762	·748	·744	·746	·764	·781	·799	·809	·810	·802	·797	1009·05	9 0	·853	15 56	·743	12
·768	·758	·756	·766	·785	·805	·823	·837	·847	·841	·816	1009·35	8 40	·861	15 58	·749	13
·805	·796	·780	·794	·824	·838	·845	·856	·863	·857	·841	1010·54	9 36	·906	15 48	·776	14
·781	·778	·769	·775	·795	·817	·825	·840	·842	·835	·836	1010·37	9 0	·914	15 48	·760	15
·775	·760	·747	·749	·768	·789	·806	·820	·825	·818	·819	1009·45	9 30	·887	16 48	·741	16
·773	·753	·745	·747	·758	·778	·798	·816	·817	·808	·816	1009 35	8 38	·882	17 0	·738	17
·794	·773	·762	·766	·789	·806	·829	·848	·874	·861	·823	1009·93	9 48	·900	16 5	·758	18
·798	·779	·768	·769	·797	·813	·830	·839	·838	·834	·841	1010·54	8 30	·921	16 20	·763	19
·753	·738	·729	·736	·747	·774	·784	·784	·786	·781	·797	1009·05	8 55	·869	16 40	·720	20
·728	·720	·721	·730	·744	·767	·786	·798	·795	·782	·768	1008·67	8 34	·819	15 55	·711	21
·742	·726	·726	·735	·749	·765	·777	·781	·783	·775	·773	1008·24	9 18	·828	16 8	·714	22
·754	·742	·744	·746	·756	·761	·782	·793	·798	·795	·774	1008·28	9 45	·823	3 5	·729	23
·754	·730	·722	·731	·743	·764	·776	·777	·798	·793	·777	1008·38	9 44	·839	16 6	·709	24
·755	·746	·745	·753	·761	·776	·785	·787	·796	·786	·788	1008·74	9 12	·845	16 34	·734	25
·744	·730	·728	·737	·750	·764	·773	·779	·779	·773	·770	1008.14	9 20	·831	16 25	·715	26
·780	·772	·768	·780	·798	·815	·826	·836	·836	·832	·802	1009·22	9 6	·865	3 15	·733	27
·806	·786	·783	·786	·794	·806	·827	·828	·832	·829	·831	1010·20	9 36	·901	15 50	·778	28
·777	·767	·751	·753	·767	·784	·796	·804	·803	·793	·811	1009·52	9 15	·889	16 20	·739	29
·690	·672	**·660**	·666	·678	·689	·702	·717	·718	·714	**·734**	**1006·92**	8 56	·816	16 22	**·654**	30
29·768	29·757	**29·751**	29·757	29·773	29·790	29·805	29·816	29·820	29·813	29·804						Mean.
—·036	—·047	**—·053**	—·047	—·031	—·014	+·001	+·012	+·016	+·009							Variation.
1008·07	1007·70	**1007·49**	1007·70	1008·24	1008·81	1009·32	1009·69	1009·83	1009·59	1009·29						Mean in millibars.
—1·22	—1·59	**—1·80**	—1·59	—1·05	—·48	+·03	+·40	+·54	+·30							Variation millibars.

* Record destroyed by accidental fire. The day has been omitted for taking means.

(Averages for sixty minutes from full hour to full hour of local mean time.)

MAY. (IN INCHES OF MERCURY AT 32° F.)

Date.	Hours (B. M. T.).													
	0—1	1—2	2—3	3—4	4—5	5—6	6—7	7—8	8—9	9—10	10—11	11—12	12—13	13—14
1	29·704	29·687	29·679	29·688	29·698	29·718	29·736	29·757	29·776	29·785	29·778	29·760	29·725	29·699
2	·745	·737	·726	·736	·738	·758	·781	·806	·821	·837	·825	·817	·801	·766
3	·782	·762	·749	·759	·784	·803	·831	·854	·865	·868	·874	·864	·837	·807
4	·808	·795	·778	·777	·787	·803	·831	·859	**·881**	·880	·868	·857	·840	·804
5	·775	·758	·750	·747	·766	·779	·816	·846	·858	·867	·855	·833	·806	·778
6	·729	·723	·709	·714	·719	·739	·753	·775	·793	·795	·791	·775	·754	·718
7	·688	·683	·669	·674	·698	·699	·728	·756	·776	·781	·768	·763	·743	·726
8	·752	·742	·739	·737	·739	·759	·777	·805	·825	·827	·827	·814	·795	·753
9	·757	·743	·733	·735	·747	·761	·783	·803	·825	·827	·827	·811	·785	·753
10	·763	·753	·737	·735	·743	·747	·767	·780	·785	·785	·777	·772	·757	·733
11	·719	·701	·697	·707	·723	·737	·757	·777	·783	·787	·787	·773	·757	·727
12	·689	·683	·677	·677	691	·713	·727	·747	·761	·765	·759	·749	·737	·713
13	·700	·686	·681	·683	·693	·699	·732	·755	·758	·758	·744	·732	·714	·698
14	·696	·682	·666	·666	·686	·686	·713	·734	·753	·765	·762	·742	.722	·706
15	·658	·656	·659	·662	·666	·686	·716	·752	·766	·766	·758	·744	·726	·703
16	·713	·705	·713	·720	·717	·725	·745	·761	·763	·767	·757	·735	·723	·696
17	·713	·693	·673	·676	.693	·71	·741	·751	·762	·771	·763	·753	·730	·710
18	·713	·702	·693	·693	·702	·717	·734	·747	·759	·767	·771	·757	·749	·730
19	·727	·715	·695	·693	·702	·720	·747	·775	·789	·802	·797	·776	·755	·723
20	·748	·738	·724	·724	·725	·752	·766	·803	·814	·816	·813	·792	·778	·759
21	·737	·718	·691	·696	·697	·703	·731	·757	·761	·759	·759	·754	·737	·710
22	·675	·659	·647	·645	·653	·673	·699	·712	·717	·723	·716	·695	·690	·677
23	·634	·619	·623	·618	·626	·636	·657	·672	·684	·686	·686	·671	·648	·633
24	·633	·622	·610	·616	·610	·626	·644	·664	·674	·680	·678	·669	·658	·636
25	·632	·612	·603	·602	·609	·624	·650	·664	·673	·672	·670	·662	·636	·625
26	·650	·631	·614	·622	·623	·627	·648	·662	·674	·679	·668	·659	·648	·630
27	·649	·637	·628	·619	·625	·643	·658	·672	·682	·687	·683	·679	·665	·649
28	·672	·657	·645	·647	·656	·664	·684	·696	·701	·702	·709	·692	·687	·672
29	·647	·629	·617	·612	·617	·631	·659	·677	·683	·683	·685	·669	·657	·639
30	·635	·624	·613	·607	·609	·622	·645	·663	·679	·688	673	·671	·661	·634
31	·625	·603	·594	·594	·605	·618	·644	·658	·678	·678	·670	·660	·653	·628
Mean .	29·702	29·689	29·678	29·680	29·689	29·703	29·726	29·746	29·759	**29·763**	29·758	29·745	29·728	29·704
Variation.	—·006	—·019	—·030	—·028	—·019	—·005	+·018	+·038	+·051	**+·055**	+·050	+·037	+·020	—·004
Mean in millibars.	1005·83	1005·39	1005·02	1005·09	1005·39	1005·86	1006·64	1007·32	1007·76	**1007·90**	1007·73	1007·29	1006·71	1005·90
Variation in millibars.	—·20	—·64	—1·01	—·94	—·64	—·17	+·61	+1·29	+1·73	**+1·87**	+1·70	+1·26	+·68	—·13

JUNE.

1	29·645	29·630	29·626	29·627	29·633	29·646	29·662	29·675	29·681	29·685	29·686	29·684	29·674	29·664
2	·696	·682	·677	·676	·678	·690	·710	·725	·743	·754	·757	·757	·750	·742
3	·744	·722	·704	·706	·713	·722	·734	·750	·759	·760	·766	·766	·752	·734
4	·722	·696	·685	·677	·671	·689	·700	·720	·735	·738	·734	·733	·720	·707
5	·657	·636	·623	·623	·619	·635	·655	·677	·697	·705	·704	·705	·695	·683
6	·688	·675	·668	·670	·689	·700	·729	·748	·765	·766	·765	·765	·769	·746
7	·774	·767	·755	·749	·761	·773	·789	·810	·816	·818	·818	·810	·805	·800
8	·820	·813	·805	·800	·795	·814	·841	·857	·865	**·866**	·857	·848	·833	·821
9	·821	·813	·791	·790	·789	·799	·814	·825	·833	·829	·824	·815	·791	·785
10	·779	·781	·747	·740	·735	·747	·769	·782	·797	·795	·785	·781	·764	·757
11	·766	·754	·737	·734	·744	·755	·765	·779	·786	·789	·781	·766	·759	·751
12	·705	·709	·714	·715	·734	·738	·757	·778	·799	·797	·798	·799	·781	·769
13	·750	·723	·707	·703	·711	·728	·749	·756	·758	·761	·759	·751	·743	·725
14	·703	·690	·678	·676	·676	·691	·720	·746	·750	·754	·746	·732	·706	·689
15	·666	·663	·644	·644	·644	·652	·674	·694	·700	·711	·706	·700	·691	·663
16	·622	·607	·597	·600	·594	·608	·624	·640	·652	·658	·656	·644	·632	·624
17	·622	·595	·580	·576	·582	·600	·614	·632	·634	·650	·647	·641	·624	·604
18	·614	·584	·574	·574	·582	·594	·610	·622	·642	·662	·658	·641	·632	·615
19	·665	·647	·634	·631	·639	·655	·685	·711	·725	·719	·725	·715	·707	·702
20	·702	·695	·686	·685	·695	·705	·715	·736	·755	·757	·755	·751	·735	·717
21	·696	·687	·668	·666	·666	·666	·696	·708	·718	·714	·706	·701	·690	·660
22	·639	·628	·626	·620	·618	·628	·656	·661	·683	·678	·682	·667	·648	·629
23	·607	·582	·566	·555	·566	·565	·586	·590	·615	·615	·618	·597	·587	·569
24	·522	·505	·492	·484	·491	·491	·517	·527	·555	·565	·570	·561	·562	·546
25	·587	·561	·560	·558	·565	·572	·608	·615	·625	·620	·628	·619	·615	·609
26	·607	·582	·579	·572	·572	·571	·570	·581	·594	·600	·596	·584	·569	·532
27	·469	·449	·434	·436	·428	·442	·455	·470	·478	·481	·474	·465	·463	·442
28	·438	·414	·409	·412	·411	·414	·440	·458	·464	·472	·481	·482	·471	·464
29	·498	·482	·469	·472	·473	·488	·520	·536	·540	·548	·559	·561	·554	·536
30	·566	·560	·536	·533	·527	·538	·548	·560	·580	·590	·591	·588	·567	·549
Mean .	29·660	29·644	29·632	29·630	29·633	29 644	29·664	29·679	29·691	**29·695**	29·694	29·688	29·676	29·661
Variation	·000	—·016	—·028	—·030	—·027	—·016	+·004	+·019	+·031	**+·035**	+·034	+·028	+·016	+·001
Mean in millibars.	1004·41	1003·87	1003·46	1003·39	1003·49	1003·87	1004·55	1005·05	1005·46	**1005·60**	1005·57	1005·36	1004·95	1004·44
Variation in millibars.	0·00	—·54	—·95	—1·02	—·92	—·54	+·14	+·64	+1·05	**+1·29**	+1·16	+·95	+·54	+·03

(Averages for sixty minutes from full hour to full hour of local mean time.)

MAY. (IN INCHES OF MERCURY AT 32° F.)

Hours (B. M. T.)										Mean.		Maximum.		Minimum.		Date.
14—15	15—16	16—17	17—18	18—19	19—20	20—21	21—22	22—23	23—24	Inches.	millibars.	Time.	Mag.	Time.	Mag.	
												H. M.		H. M		
29·681	29·670	29·658	29·673	29·696	29·721	29·743	29·765	29·766	29·762	29·722	1006·51	9 10	29·786	16 28	29·652	1
·742	·729	·724	·729	·747	·762	·781	·803	·803	·799	·771	1008·17	9 28	·839	15 50	·716	2
·779	·768	·759	·765	·786	·798	·805	·817	·817	·815	·806	1009·35	9 45	·877	2 10	·739	3
·778	·766	·751	·762	·775	·780	·800	·809	·807	·798	**·808**	**1009·42**	8 55	**·885**	16 15	·744	4
·756	·742	·734	·737	·750	·755	·758	·759	·755	·746	·780	1008·47	9 30	·868	16 25	·725	5
·697	·680	·670	·676	·687	·698	·717	·731	·734	·716	·729	1006·74	8 42	·796	16 10	·664	6
·708	·696	·692	·701	·719	·737	·753	·771	·769	·760	·727	1006·68	9 18	·783	2 20	·663	7
·737	·737	·728	·735	·753	·757	·776	·787	·787	·779	·769	1008·10	8 50	·831	16 22	·721	8
·723	·703	·686	·683	·707	·716	·739	·755	·773	·777	·756	1007·66	9 5	·833	17 5	·773	9
·715	·699	·693	·697	·697	·724	·738	·745	·747	·744	·743	1007·22	8 30	·793	16 10	·683	10
·707	·695	·683	·687	·691	·693	·711	·719	·718	·711	·727	1006·68	8 10	·789	16 50	·677	11
·696	·685	·677	·687	·687	·697	·714	·723	·720	·712	·712	1006·17	8 50	·765	2 30	·673	12
·678	670	·666	·682	·688	·704	·719	·724	·720	·714	·708	1006·03	8 50	·764	16 40	·662	13
·676	·656	·644	·648	·666	·676	·682	·692	·688	·678	·795	1005·60	9 14	·772	16 25	·642	14
·676	·664	·660	·676	·694	·714	·732	·742	·736	·726	·706	1005·96	9 0	·772	2 35	·658	15
·659	·649	·634	·635	·652	·667	·687	·719	·722	·723	·708	1006·03	9 30	·771	16 50	·623	16
·687	·674	673	·658	·671	·695	·718	·725	·729	·726	·712	1006·17	10 0	·775	17 55	·653	17
·711	·707	·702	·707	·727	·737	·742	·746	·753	·744	·730	1006·78	10 5	·773	1 55	·692	18
·697	·685	·672	·685	·693	·715	·733	·753	·760	·761	·732	1006·85	9 27	·811	16 42	·667	19
730	·721	·719	·716	·722	·736	·751	·758	·758	·754	·755	1007·63	9 30	·822	16 45	·714	20
·685	·653	·635	·629	·628	·677	·705	·729	·739	·716	·709	1006·06	10 0	·771	18 20	·605	21
·644	·615	·593	·592	·597	·611	·642	·648	·656	·647	·659	1004·37	9 15	·727	17 8	·585	22
·610	·595	·590	·592	·602	·624	·638	·650	·652	·646	·637	1003·63	8 25	·688	16 0	·584	23
·610	·592	·586	·586	·590	·608	·624	·636	·643	·633	**·630**	**1003·39**	9 20	·684	16 35	·582	24
·616	·606	·586	·588	·616	·636	·660	·682	·680	·673	·637	1003·63	8 53	·682	17 5	·584	25
·618	·608	·596	·597	·618	·644	·656	·666	·668	·668	·641	1003·76	9 8	·684	17 0	·594	26
·633	·623	·622	·627	·651	·667	·673	·682	·685	·680	·655	1004·24	8 20	·691	3 57	·617	27
·646	·633	·628	·636	·646	·658	·672	·676	·673	·668	·667	1004·65	8 40	·710	16 35	·626	28
·619	·605	·601	·615	·633	·646	·663	·667	·670	·659	·645	1003·90	8 55	·685	16 17	·599	29
·613	·592	**·585**	·593	·609	·635	·645	·654	·661	·644	·636	1003·59	9 3	·693	16 5	**58**	30
·613	·598	·598	·610	·622	·646	·663	·666	·664	·660	·635	1003·56	9 10	·684	2 35	·590	31
29·682	29·668	**29·660**	29·665	29·678	29·695	29·711	29·723	29·724	29·717	29·708						Mean.
—·026	—·040	**—·048**	—·043	—·030	—·013	+·003	+·015	+·016	+·009							Variation.
1005·16	1004·68	**1004·41**	1004·58	1005·02	1005·60	1006·13	1006·54	1006·58	1006·34	1006·03						Mean in millibars.
—·87	—1·35	**—1·62**	—1·45	—1·01	—·43	+·10	+·51	+·55	+·31							Variation in millibars.

JUNE.

29·646	29·636	29·633	29·642	29·656	29·673	29·693	29·705	29·713	29·708	29·663	1004·51	21 57	29·716	3 50	29·624	1
·735	·725	·726	·735	·743	·748	·766	·770	·776	·764	·730	1006·78	22 32	·776	2 54	·670	2
·720	·705	·707	·715	·728	·742	·744	·758	·749	·738	·735	1006·95	10 51	·766	2 52	·698	3
·689	·670	·666	·667	·684	·689	·677	·689	·684	·677	·697	1005·67	9 25	·745	16 50	·653	4
·665	·645	·649	·655	·662	·681	·698	·703	·707	·697	·670	1004·75	9 28	·715	2 53	·611	5
·735	·721	·715	·726	·739	·752	·764	·781	·785	·789	·735	1006·95	21 28	·791	2 35	·665	6
·787	·777	·781	·789	·803	·819	·836	·841	·836	·835	·798	1009·08	22 40	·841	4 25	·749	7
·801	·788	·781	·785	·804	·818	·835	·837	·839	·829	**·823**	**1009·93**	9 5	**·869**	16 35	·771	8
·767	·755	·745	·743	·754	·771	·788	·793	·791	·791	·792	1008·88	9 36	·835	17 52	·739	9
·745	·731	·735	·738	·755	·771	·787	·794	·793	·783	·765	1007·97	9 10	·799	15 10	·731	10
·735	·722	·723	·723	·725	·726	·736	·740	·741	·714	·748	1007·39	9 10	·811	15 58	·714	11
·752	·729	·713	·725	·725	·745	·738	·753	·760	·761	·750	1007·46	8 0	·801	2 5	·704	12
·696	·683	·681	·683	·695	·707	·714	·724	·725	·716	·723	1006·54	9 26	·769	15 40	·667	13
·667	·659	·642	·650	·660	·674	·687	·690	·689	·682	·694	1005·57	10 0	·760	16 36	·630	14
·634	·624	·624	·622	·627	·639	·646	·655	·649	·632	·659	1004·37	9 30	·716	15 58	·614	15
·612	·598	·590	·596	·601	·626	·637	·650	·654	·646	·624	1003·20	22 45	·664	16 44	·578	16
·575	·560	·564	·567	·578	·610	·615	·630	·645	·626	·607	1002·62	9 20	·654	16 15	·558	17
·602	·592	·592	·596	·608	·628	·662	·674	·677	·681	·621	1003·09	22 0	·682	2 54	·558	18
·675	·661	·663	·661	·683	·711	·724	·735	·733	·718	·689	1005·39	21 8	·741	3 52	·619	19
·709	·685	·665	·665	·677	·697	·707	·715	·718	·706	·710	1006·10	8 50	·763	17 25	·643	20
·647	·625	·612	·614	·629	·648	·660	·667	·664	·649	·699	1004·71	8 10	·724	17 0	·606	21
·611	·596	·590	·586	·610	·618	·631	·637	·656	·635	·635	1003·56	10 38	·784	16 45	·576	22
·553	·530	·530	·523	·537	·538	·553	·558	·560	·539	·568	1001·29	8 30	·619	16 56	·515	23
·532	·517	·517	·521	·539	·564	·589	·593	·596	·592	·539	1000·31	21 46	·603	3 53	·475	24
·585	·569	·568	·577	·598	·608	·627	·634	·635	·617	·598	1002·31	22 0	·643	4 30	·553	25
·520	·513	·510	·514	·516	·520	·518	·521	·514	·490	·552	1000·76	9 25	·610	15 10	·490	26
·416	**·406**	·432	·436	·450	·456	·463	·474	·487	·470	**·453**	**997·40**	22 20	·510	15 10	**·396**	27
·454	·436	·424	·430	·450	·472	·496	·520	·522	·510	·456	997·50	22 45	·530	2 52	·406	28
·522	·514	·512	·518	·437	·548	·565	·580	·584	·578	·525	999·84	22 17	·588	2 35	·464	29
·538	·534	·529	·528	·548	·564	·579	·588	·588	·583	·559	1000·99	9 5	·594	4 17	·522	30
29·644	29·630	**29·627**	29·631	29·641	29·659	29·671	29·680	29·682	29·672	29·660						Mean.
—·016	—·030	**—·033**	—·029	—·019	—·001	+·011	+·020	+·022	+·012							Variation.
1003·87	1003·39	**1003·30**	1003·42	1003·76	1004·37	1004·78	1005·09	1005·16	1004·82	1004·41						Mean in millibars.
—·54	—1·02	**—1·11**	—·99	—·65	—·04	+·37	+·68	+·75	+·41							Variation in millibars.

(Averages for sixty minutes from full hour to full hour of local mean time.)

JULY. (IN INCHES OF MERCURY AT 32°F.)

Date.	Hours. (B. M. T.)													
	0—1	1—2	2—3	3—4	4—5	5—6	6—7	7—8	8—9	9—10	10—11	11—12	12—13	13—14
1	29·571	29·557	**29·549**	29·551	29·554	29·562	29·585	29·606	29·621	29·624	29·623	29·620	29·608	29·589
2	·598	·578	·575	·571	·575	·586	·607	·629	·655	·669	·671	·665	·660	·643
3	·690	·665	·661	·654	·658	·662	·686	·706	·718	·724	·731	·727	·724	·714
4	·740	·722	·709	·707	·711	·721	·737	·755	·776	·793	·782	·781	·778	·773
5	·764	·752	·740	·733	·740	·751	·768	·779	·782	·794	·794	·791	·782	·782
6	735	·722	·704	·694	·706	·722	·734	·752	·755	·757	·759	·761	·743	·732
7	·712	·721	·704	·702	·703	·712	·732	·748	·754	·762	·770	·770	·764	·760
8	·760	·746	·740	·736	·736	·746	·766	·779	·796	**·797**	·797	·792	·784	·766
9	·749	·726	·709	·700	·698	·712	·726	·741	·756	·767	·764	·758	·753	·732
10	699	·690	·684	·682	·687	·688	·713	·716	·733	·738	·744	·736	·726	·710
11	·703	·682	·669	·674	·671	·680	·707	·719	·732	·739	·738	·737	·722	·703
12	·693	·679	·659	·649	·665	·685	·711	·725	·734	·740	·736	·732	·719	·714
13	·699	·682	·673	·674	·673	·691	·703	·727	·743	·750	·745	·737	·716	·705
14	·682	·666	·648	·641	·649	·666	·689	·718	·716	·724	·726	724	·720	·710
15	·730	·714	·706	·706	·716	·728	·746	·762	·778	·784	·772	·774	·768	·742
16	·718	·696	·686	·679	·667	·674	·687	·706	·705	·705	·706	·707	·694	·683
17	·668	·643	·624	·623	·615	·622	·641	·656	·667	·671	·666	·660	·642	·632
18	·628	·609	·598	·594	·596	·598	·618	·634	·654	·662	·662	·652	·648	·638
19	·690	·684	·668	·668	·668	·669	·688	·703	·718	·732	·738	·728	·717	·694
20	·682	·676	·658	·656	·648	·652	·676	·682	·694	·698	·708	·694	·677	·661
21	·637	·622	·612	·612	·611	·630	·656	·662	·682	·689	·688	·682	·666	·656
22	·657	·646	·637	·637	·633	·641	·651	·663	·675	·680	·682	·673	·660	·651
23	·660	·636	·626	·610	·603	·605	·630	·651	·658	·674	·668	·661	·648	·628
24	·602	·584	·565	·564	·571	·586	·598	·613	·632	·631	·630	·631	·616	·606
25	·620	·594	·574	·576	·587	·600	·614	·628	·633	·636	·637	·638	·635	·612
26	·602	·580	·564	·562	·557	·570	·584	·604	·610	·609	·608	·608	·591	·582
27	·609	·590	·574	·574	·577	·594	·618	·646	·661	·670	·670	·658	·651	·643
28	·655	·639	·619	·629	·632	·657	·676	·693	·699	·703	·706	·703	·694	·685
29	·680	·661	**·639**	·650	·652	·659	·679	·699	·704	·714	·709	·708	·700	·707
30	·700	·687	·673	·668	·668	·678	·698	·717	·725	·735	·723	·719	·705	·687
31	·657	·641	·623	·621	·614	·618	·625	·647	·657	·675	·671	·660	·653	·629
Mean .	29·678	29·661	29·647	**29·645**	29·647	29·657	29·675	29·692	29·704	**29·711**	29·710	29·706	29·696	29·683
Variation	·000	—·017	—·031	**—·033**	—·031	—·021	—·003	+·014	+·026	**+·033**	+·032	+·028	+·018	+·005
Mean in millibars.	1005·02	1004·44	1003·97	**1003·99**	1003·97	1004·31	1004·92	1005·50	1005·90	**1006·13**	1006·10	1005· 6	1005·63	1005·19
Variation in millibars.	0·00	—·58	—1·05	**—1·12**	—1·05	—·71	—·10	+·48	+·88	**+1·11**	+1·08	+·94	+·61	+·17

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1	29·619	29·597	29·593	29·583	29·597	29·609	29·626	29·639	29·663	29·664	29·661	29·656	29·648	29·644
2	·631	·616	·616	·610	·612	·624	·632	·650	·674	·674	·661	·656	·649	·639
3	·648	·633	·611	·615	·622	·630	·640	·649	·671	·672	·670	·663	·650	·628
4	·643	·625	·607	·604	·597	·605	·631	·639	·649	·645	·654	·654	·637	·623
5	·644	·622	·614	·611	·624	·642	·654	·671	·697	·700	·701	·702	·691	·686
6	·707	·692	·684	·682	·684	·698	·715	·733	·752	·762	·756	·754	·743	·744
7	·739	·724	·703	·703	·715	·726	·749	·764	·771	·774	·768	·767	·748	·726
8	·690	·678	·669	·669	·678	·685	·702	·715	·729	·734	·732	·730	·728	·721
9	·707	·698	·685	·690	·705	·707	·724	·748	·754	·756	·751	·750	·744	·726
10	·728	·716	·696	·693	·708	·717	·731	·748	·772	·771	·769	·758	·738	·718
11	·742	·730	·715	·716	·727	·747	·767	·786	·803	·803	·810	·797	·779	·758
12	·793	·780	·772	·771	·771	·787	·811	·837	·845	·851	·845	·842	·833	·808
13	·814	·795	·772	·766	·771	·787	·809	·819	·830	·839	·838	·829	·801	·785
14	·756	·738	·709	·700	·692	·698	·720	·736	·748	·750	·744	·740	·732	·714
15	·708	·692	·674	·668	·670	·680	·695	·708	·721	·733	·725	·724	·700	·687
16	·701	·688	·660	·656	·652	·652	·671	·695	·708	·709	·709	·699	·683	·661
17	·651	·633	·621	·614	·617	·619	·632	·648	·666	·669	·669	·659	·647	·626
18	·617	·603	·586	·585	**·582**	·583	·599	·618	·641	·651	·661	·653	·643	·627
19	·631	·616	·603	·603	·616	·619	·639	·664	·683	·694	·689	·692	·674	·662
20	·729	·718	·704	·701	·703	·715	·733	·753	·777	·787	·785	·781	·768	·753
21	·773	·758	·741	·737	·739	·747	·759	·777	·785	·789	·785	·782	·768	·743
22	·730	·716	·697	·692	·698	·707	·726	·743	·753	·768	·759	·755	·738	·738
23	·765	·753	·734	·736	·750	·764	·785	·806	·829	·831	·840	·843	·827	·814
24	·822	·813	·801	·801	·806	·815	·827	·845	·864	**·874**	·871	·855	·834	·815
25	·795	·779	·763	·761	·761	·763	·777	·790	·805	·815	·810	·803	·788	·774
26	·754	·744	·721	·720	·729	·735	·758	·773	·789	·788	·787	·779	·757	·740
27	·742	·720	·702	·697	·698	·709	·728	·745	·763	·763	·753	·744	·719	·701
28	·704	·687	·667	·672	·679	·687	·700	·718	·746	·746	·744	·725	·704	·686
29	·712	·698	·681	·680	·671	·672	·690	·705	·722	·731	·728	·717	·696	·678
30	·707	·692	·679	·676	·685	·704	·721	·746	·766	·779	·775	·765	·748	·727
31	·720	·709	·703	·700	·694	·701	·710	·734	·756	·757	·753	·742	·722	·708
Mean .	29·714	29·699	29·683	**29 691**	29·686	29·695	29 712	29·729	29·746	**29·751**	29·748	29·742	29·727	29·712
Variation	·000	—·015	—·031	**—·033**	—·028	—·019	—·002	+·015	+·032	**+·037**	+·034	+·028	+·013	—·002
Mean in millibars.	1006·24	1005·73	1005·19	**1005·12**	1005·59	1005·60	1006·17	1006·74	1007·32	**1007·49**	1007·39	1007·19	1006·68	1006·17
Variation in millibars.	·00	—·51	—1·05	**—1·12**	—·95	—·64	—·07	+·50	+1·08	**+1·25**	+1·15	+·95	+·44	—·07

(Averages for sixty minutes from full hour to full hour of local mean time.)

JULY. (IN INCHES OF MERCURY AT 32° F.)

Hours. (B. M. T.)										Mean.		Maximum.		Minimum		Date.
14—15	15—16	16—17	17—18	18—19	19—20	20—21	21—22	22—23	23—24	Inches.	Millibars.	Time.	Mag.	Time.	Mag.	
												H. M.		H. M.		
29·577	29·561	29·561	29·564	29·578	29·590	29·617	29·614	29·617	29·608	**29·588**	**1001·97**	9 50	29 627	3 12	**29·537**	1
·629	·623	·627	·633	·655	·660	·692	·704	·707	·691	·638	1003·66	22 28	·7 9	2 20	·557	2
·702	·695	·680	·688	·704	·718	·738	·748	·750	·742	·703	1005·86	22 50	·756	2 30	·644	3
·758	·751	·736	·738	·751	·768	·784	·782	·785	·777	·755	1007·63	10 50	·794	2 33	·703	4
·768	·752	·736	·740	·742	·753	·755	·770	·764	·758	**·762**	**1007·87**	10 0	·796	4 5	·728	5
·718	·708	·692	·703	·726	·740	·752	·758	·750	·751	·732	1006·85	11 20	·770	16 35	·688	6
·737	·726	·717	·724	·727	·744	·776	·777	·778	·776	·743	1007·22	22 44	·782	4 20	·690	7
·750	·736	·726	·722	·730	·738	·746	·747	·748	·748	·755	1007·63	10 35	**·802**	16 50	·708	8
·719	·706	·696	·697	·707	·711	·714	·726	·723	·722	·725	1006·61	9 26	·776	17 10	·682	9
·696	·686	·684	·680	·684	·698	·711	·730	·727	·716	·707	1006·00	10 20	·748	3 50	·668	10
·684	·674	·665	·673	·685	·697	·705	·717	·717	·705	·700	1005·76	9 4	·749	2 20	·655	11
·703	·690	·675	·692	·707	·707	·718	·725	·723	·715	·704	1005·90	9 45	·745	3 25	·641	12
·688	·668	·662	·671	·675	·689	·698	·701	·700	·699	·699	1005·73	9 52	·761	16 0	·659	13
·698	·690	·676	·694	·708	·722	·737	·745	·745	·742	·701	1005·79	21 26	·746	2 35	·634	14
·724	·713	·700	·706	·713	·725	·740	·741	·734	·725	·735	1006·95	9 45	·784	16 33	.694	15
·662	·646	·635	·631	·643	·668	·684	·674	·682	·672	·680	1005·09	8 10	·718	17 9	·624	16
·625	·609	·598	·599	·606	·626	·628	·640	·638	·629	·635	1003·56	10 0	·676	16 48	·584	17
·619	·610	·608	·615	·627	·644	·668	·681	·698	·696	·636	1003·59	22 55	·710	4 10	·576	18
·680	·659	·658	·658	·668	·678	·682	·700	·706	·700	·690	1005·43	9 48	.742	16 10	·636	19
·636	·618	·611	.612	·626	·644	·662	·676	·676	·656	·662	1004·48	9 58	·712	16 32	·598	20
·648	·636	·626	·628	·636	·656	·660	·677	·680	·674	·651	1004 10	9 28	·692	3 0	·596	21
·647	·43	·635	·639	·646	·660	·676	·687	·681	·677	·657	1004·31	22 36	·689	16 32	·615	22
·623	·600	·589	·596	·6 8	·615	·619	·626	·626	·624	·629	1003·36	9 46	·680	17 10	·584	23
·599	·592	·576	·582	·590	·606	·610	·632	·633	·625	·603	1002·48	11 10	·634	2 35	·562	24
·613	·597	·591	·594	606	·617	·618	·618	·621	·622	·612	1002·79	10 10	·642	2 35	·572	25
·567	·567	·557	·572	·583	·599	·608	·614	·618	·622	·589	1002 00	23 0	·624	16 35	·552	26
·630	·621	617	·621	·637	·643	·658	·664	·663	·664	.631	1003·42	10 0	·690	2 40	·562	27
·673	·665	·662	·663	·676	·695	·699	·708	·705	·701	·677	1004·99	10 35	·715	2 35	·617	28
·697	·684	·678	·679	·690	·709	·724	·724	·724	·723	·691	1005·46	21 48	·729	2 35	·637	29
·669	·662	·645	·647	·653	·678	·687	·697	·685	·677	·687	1005·33	9 10	·738	16 50	·629	30
·608	·597	·586	·588	·595	·609	·636	·638	·636	·630	·630	1003·39	10 25	·679	16 58	·577	31
29·669	29·658	29·649	29·653	29·664	29·678	29·690	29·698	29·698	29·692	29·678						Mean.
—·009	—·020	—·029	—·025	—·014	·900	+·012	+·020	+·020	+·014							Variation.
1004·71	1004·34	1004·03	1004·17	1004·55	1005·02	1005·43	1005·70	1005·70	1005·50	1005·02						Mean in millibars
—·31	—·68	—·99	—·85	—·47	—·00	+·41	+·68	+·68	+·48							Variation in millibars.

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29·628	29·625	29·627	29·629	29·632	29·649	29·659	29·661	29·657	29·648	29·634	1003·53	9 45	29·669	3 10	29·573	1
·614	·606	.593	·610	·624	·629	·649	·656	·660	·660	·635	1003·56	8 56	·678	16 35	·586	2
·614	·599	·586	·599	·605	·627	·642	·653	·651	·650	·635	1003·56	10 0	·676	16 18	·580	3
·613	·602	·586	·591	·611	·628	·644	·657	·655	·653	·627	1003·30	10 52	·659	16 15	·585	4
·674	·671	·657	·665	·681	·693	·717	·731	·731	·726	·675	1004·92	22 5	·734	3 15	·608	5
·728	·715	·706	·716	·721	·739	·754	·763	·759	·761	·728	1006·71	9 17	·764	2 35	·672	6
·694	·692	·686	·698	·710	·719	·720	·721	·723	·709	·727	1006 68	9 11	·779	16 0	·681	7
·701	·686	·675	·685	·702	·716	·718	·726	·723	·723	·705	1005·93	9 25	·735	2 0	·667	8
·713	·707	·697	·714	.724	·736	·746	·747	·742	·740	·725	1006·61	9 9	·762	2 18	·680	9
·700	·698	·701	·718	·724	·736	·756	·755	·753	·750	·731	1006·81	8 58	·780	4 5	·688	10
·745	·740	·745	·762	·775	·788	·804	·818	·818	·809	·770	1008·14	22 0	·823	2 35	·709	11
·786	·778	·775	·781	·793	·804	·822	·836	·834	·826	·808	1009·42	10 0	·855	16 5	·767	12
·759	·752	·732	·746	·757	·770	·778	.792	·788	·779	·788	1008·74	10 0	·839	16 35	·731	13
·700	·690	·690	·694	·7 5	·712	·727	·743	·735	·730	·721	1006·47	10 0	·756	15 58	·678	14
·671	·667	·661	·666	·681	·697	·714	·725	·724	·719	·696	1005·63	9 30	·735	3 20	·651	15
·649	·640	·634	·638	·648	·655	·669	·684	·682	·665	·671	1004 78	10 24	·713	16 18	·619	16
·604	·594	·591	·597	·608	·623	·639	·646	·644	·640	·632	1003·46	9 40	·675	15 55	·577	17
·617	·607	·598	·605	·615	·632	·643	·654	·656	·651	**·622**	**1003·13**	10 10	·665	4 30	**·565**	18
·646	·638	·636	·654	·675	·695	·719	·738	·748	·744	·666	1004·61	22 0	·750	2 33	·592	19
·741	·733	·731	·743	.657	·771	·791	·803	·804	·791	·753	1007·56	22 0	·811	3 23	·693	20
·736	·725	·719	·725	·734	·744	·747	·758	·755	·743	·753	1007·56	10 0	·791	16 0	·711	21
·725	·717	·708	·715	·732	·746	·761	·771	·773	·771	·735	1006·95	22 3	·776	2 52	·680	22
·804	·794	·783	·795	·804	·815	·831	·837	·831	·830	·800	1009·15	11 8	·851	2 16	·731	23
·795	·783	·785	·797	·816	·823	·833	·833	·823	·815	**·823**	**1009·93**	9 45	**·877**	15 25	·769	24
·753	·752	·743	·755	·762	·769	·780	·789	·784	·769	·777	1008·38	9 55	·819	14 25	·739	25
·730	·729	·724	·734	·751	·762	·778	·779	780	·763	·754	1007 60	9 25	·794	2 52	·710	26
·684	·673	·674	·689	·707	·720	·735	·738	·737	·723	·719	1006·40	9 58	·766	15 10	·668	27
·667	·662	·669	·678	·694	·712	·723	·733	·733	·722	·702	1005·83	8 35	·750	15 10	·654	28
·673	·671	·662	·672	·688	·696	·70[illegible]	·718	·732	·728	·697	1005·67	9 50	·746	16 40	·654	29
·712	·704	·695	·698	·716	·731	·753	·768	·760	·741	·727	1006·68	9 15	·781	2 35	·667	30
·687	·672	·668	·675	·687	·698	·709	·721	·716	·708	·710	1006·10	9 20	·765	16 0	·665	31
29·696	29·688	29·682	29·692	29·704	29·717	29·731	29·740	29·739	29·732	29·714						Mean.
—·018	—·026	—·032	—·022	—·010	+·003	+·017	+·026	+·025	+·018							Variation.
1005·63	1005·36	1005·16	1005·50	1005·90	1006·34	1006·81	1007.12	1007·08	1006·85	1006·24						Mean in millibar
—·61	—·88	—1·08	—·74	—·34	+·10	+·57	+·88	+·84	+·61							Variation in millibars.

(Averages for sixty minutes from full hour to full hour of local mean time.)

SEPTEMBER. (IN INCHES OF MERCURY AT 32° F.)

Date.	Hours. (B. M. T.)												
	0—1	1—2	2—3	3—4	4—5	5—6	6—7	7—8	8—9	9—10	10—11	11—12	12—13	13—14
1	29·689	29·681	29·667	29·662	29·662	29·673	29·692	29·717	29·735	29·752	29·745	29·740	29·725	29·695
2	·707	·693	·685	·683	·680	·693	·703	·723	·747	·765	·771	·766	748	·730
3	·722	·712	·703	·703	·706	·722	·741	·763	·788	·807	·814	·812	·796	·773
4	·768	·759	·742	·741	·741	·748	·755	·770	·788	·802	·800	·787	·764	·751
5	·699	·683	·671	·670	·668	·674	·682	·699	·712	·723	·707	·701	·676	·654
6	·624	·605	·578	·571	·572	·587	·601	·618	·636	·638	·627	·615	·588	·575
7	·575	·563	·553	·553	·555	·569	·596	·619	·638	·656	·649	·636	·616	·595
8	·622	·604	·590	·593	·604	·616	·636	·659	·676	·683	·683	·673	·657	·634
9	·655	·647	·639	·641	·641	·655	·677	·694	·711	·718	·716	·702	·691	·676
10	·686	·677	·666	·667	·674	·683	·709	·731	·746	·748	·749	·737	·717	·703
11	·750	·746	·731	·731	·736	·749	·760	·790	·816	·820	·815	·806	·788	·757
12	·770	·752	·738	·740	·743	·757	·782	·803	·827	·840	·836	·822	·803	·786
13	·821	·813	·795	·795	·792	·796	·814	·837	·859	·874	·871	·859	·834	·810
14	·825	·811	·800	·794	·803	·815	·830	·851	·869	·879	·870	·858	·830	·808
15	·847	·835	·820	·816	·819	·835	·854	·873	·894	·902	·898	·883	·865	·840
16	·875	·863	·853	·850	·863	·876	·900	·918	·938	·944	·945	·933	·920	·895
17	·916	·908	·897	·894	·896	·910	·924	·943	·952	**·956**	·950	·924	·905	·886
18	·893	·884	·869	·863	·868	·881	·908	·929	·945	·944	·937	·912	·880	·855
19	·867	·861	·844	·840	·848	·865	·878	·906	·915	·914	·890	·876	·846	·810
20	·825	·815	·809	·810	·818	·829	·856	·874	·882	·891	·885	·869	·834	·813
21	·821	·815	·807	·810	·814	·825	·830	·835	·855	·856	·849	·830	·793	·776
22	·781	·771	·765	·768	·758	·762	·774	·788	·804	·812	·805	·795	·770	·746
23	·727	·711	·699	·698	·709	·725	·743	·768	·789	·790	·781	·768	·744	·709
24	·735	·727	·718	·714	·723	·754	·778	·793	·820	·823	·810	·783	·750	·714
25	·743	·725	·710	·703	·707	·731	·744	·769	·782	·783	·769	·744	·711	·675
26	·695	·682	·674	·671	·679	·705	·732	·755	·768	·771	·761	·732	·697	·682
27	·693	·683	·669	·663	·671	·690	·704	·726	·739	·754	·757	·735	·701	·661
28	·688	·679	·656	·644	·658	·673	·688	·707	·737	·746	·740	·726	·698	·674
29	·713	·694	·662	·662	·669	·688	·712	·730	·741	·750	·743	·720	·690	·663
30	·693	·680	·671	·662	·671	·689	·703	·719	·724	·724	·719	·712	·687	·657
Mean .	29·747	29·736	29·723	29·720	29·725	29·739	29·757	29·777	29·794	**29·802**	29·796	29·782	29·757	29·733
Variation.	—·002	—·013	—·026	—·029	—·024	—·010	+·008	+·028	+·045	**+·053**	+·047	+·033	+·008	—·016
Mean in millibars.	1007·36	1006·98	1006·54	1006·44	1006·61	1007·08	1007·70	1008·38	1008·95	**1009·22**	1009·01	1008·54	1007·70	1006·88
Variation in millibars.	—·06	—·44	—·88	—·98	—·81	—·34	+·28	+·96	+1·53	**+1·80**	+1·59	+1·12	+·28	—·54

OCTOBER.

1	29·709	29·699	29·689	29·690	29·697	29·712	29·736	29·765	29·778	29·783	29·773	29·756	29·726	29·697
2	·703	·692	·676	·674	·674	·698	·723	·750	·759	·767	·762	·744	·722	·696
3	·747	·734	·723	·715	·713	·731	·754	·777	·785	·788	·777	·758	·743	·711
4	·743	·741	·734	·733	·735	·754	·772	·787	·803	·812	·808	·791	·763	·735
5	·790	·780	·778	·782	·788	·800	·824	·844	·872	·880	·869	·856	·834	·826
6	·837	·827	·827	·827	·829	·836	·867	·885	·907	·913	·909	·883	·863	·841
7	·854	·847	·839	·841	·845	·869	·883	·903	·915	·923	·907	·887	·871	·836
8	·883	·867	·858	·856	·864	·885	·909	·935	·950	·959	·947	·931	·905	·888
9	·927	·921	·905	·907	·912	·933	·95›	·971	·982	**·987**	·971	·941	·920	·907
10	·893	·880	·861	·856	·865	·891	·917	·930	·939	·941	·930	·910	·871	·850
11	·874	·868	·855	·854	·859	·884	·901	·925	·937	·941	·919	·893	·858	·834
12	·871	·858	·847	·855	·870	·889	·917	·945	·958	·959	·943	·920	·887	·873
13	·904	·896	·887	·892	·900	·922	·943	967	·979	·981	·966	·938	·907	·880
14	·889	·871	·867	·870	·884	·901	·916	·931	·940	·945	·937	·911	·885	·861
15	·857	·842	·837	·839	·847	·861	·885	·912	·929	·937	·917	·887	·867	·837
16	·864	·851	·847	·845	·849	·861	·889	·913	·931	·937	·923	·898	·863	·835
17	·869	·860	·856	·859	·863	·888	·915	·942	·964	·967	·949	·927	·897	·878
18	·896	·885	·878	·878	·883	·902	·921	·941	·960	·968	·952	·929	·902	·877
19	·894	·892	·882	·882	·884	·904	·917	·942	·957	·976	·961	·939	·899	·877
20	·892	·880	·871	·867	·871	·883	·901	·921	·940	·943	·926	·900	·861	·839
21	·839	·830	·821	·830	·839	·853	·879	·904	·919	·931	·917	·891	·862	·835
22	·870	·861	·861	·869	·888	·907	·928	·946	·963	·970	·958	·934	·900	·882
23	·923	·917	·902	·906	·906	·921	·941	·971	·983	·987	·962	·939	·897	·865
24	·881	·872	872	·880	·889	·911	·938	·959	·974	·978	·964	·937	·897	·873
25	·903	·902	·897	·900	·904	·927	·948	·970	·977	·979	·961	·938	·912	·886
26	·890	·881	·878	·875	·884	·895	·919	·942	·964	·969	·950	·921	·889	·862
27	·886	·878	·862	·860	·863	·883	·894	·916	·931	·934	·911	·879	·846	·815
28	·840	·837	·837	·838	·846	·863	·886	·908	·926	·937	·928	·899	·861	·838
29	·850	·842	·840	·845	·848	·872	·897	·917	·929	·943	·919	·892	·861	·837
30	·829	·823	·817	·821	·829	·846	·870	·890	·912	·916	·901	·881	·848	·820
31	·833	·824	·808	·811	·812	·832	·847	·861	·875	·875	·850	·825	·798	·769
Mean .	29·853	29·844	29·836	29·837	29·843	29·862	29·884	29·905	29·921	**29·927**	29·912	29·888	29·859	29·834
Variation.	—·007	—·016	—·024	—·023	—·017	+·002	+·024	+·045	+·061	**+·067**	+·052	+·028	—·001	—·026
Mean in millibars.	1010·94	1010·65	1010·37	1010·41	1010·61	1011·25	1012·00	1012·71	1013·24	**1013·45**	1012·95	1012·13	1011·14	1010·31
Variation in millibars.	—·24	—·53	—·81	—·77	—·57	+·09	+·82	+1·53	+2·06	**+2·27**	+1·77	+·95	—·04	—·87

(Averages for sixty minutes from full hour to full hour of local mean time.)

SEPTEMBER. (IN INCHES OF MERCURY AT 32° F

Hours. (B. M. T.)										Mean.		Maximum.		Minimum.		Date
14—15	15—16	16—17	17—18	18—19	19—20	20—21	21—22	22—23	23—24	Inches.	Millibars.	Time.	Mag.	Time.	Mag.	
												H. M.		H. M.		
29·677	29·666	29·661	29·665	29·681	29·703	29·722	29·735	29·727	29·718	29·700	1005·76	9 10	29·755	16 26	29·651	1
·713	·706	·699	·707	·708	·722	·733	·747	·744	·740	·721	1006·47	10 0	·783	3 48	·665	2
·757	·751	·749	·749	·754	·765	·773	·785	·788	·784	·759	1007·76	9 50	·821	2 10	·695	3
·732	·715	·702	·703	·718	·724	·738	·743	·733	·725	·748	1007·39	9 50	·811	16 42	·691	4
·634	·628	·623	·624	·636	·651	·656	·659	·659	·648	·668	1004·68	9 35	·726	16 48	·616	5
·557	**·553**	·555	·562	·574	·589	·601	·613	·609	·597	**·594**	**1002·18**	8 55	·645	15 25	·545	6
·578	·569	·564	·573	·594	·610	·635	·654	·652	·641	·602	1002·45	9 25	·658	2 48	**·540**	7
·618	·614	·620	·636	·649	·663	·684	·700	·694	·684	·645	1003·90	21 45	·707	2 28	·581	8
·656	·644	·644	·656	·666	·675	·703	·705	·705	·695	·675	1004·92	9 18	·721	2 18	·629	9
·687	·685	·688	·697	·714	·732	·755	·777	·777	·771	·716	1006·30	21 25	·787	2 45	·665	10
·738	·733	·730	·737	·755	·766	·783	·799	·796	·789	·768	1008·07	9 55	·826	3 20	·720	11
·776	·772	·766	·779	·802	·822	·842	·848	·848	·841	·796	1009·01	20 38	·857	3 8	·727	12
·791	·788	·787	·797	·815	·833	·843	·856	·856	·849	·824	1009·97	10 0	·880	15 50	·776	13
·787	·785	·787	·789	·806	·828	·849	·865	·863	·859	·828	1010·10	9 42	·883	14 56	·767	14
·825	·820	·816	·823	·840	·858	·877	·898	·893	·886	·855	1011·01	21 32	·909	3 0	·809	15
·871	·864	·863	·873	·881	·912	·931	·943	·931	·926	**·899**	**1012·50**	9 30	·949	3 8	·845	16
·864	·852	·837	·846	·858	·867	·886	·901	·896	·896	·899	1012·50	9 14	**·968**	15 55	·836	17
·820	·812	·814	·828	·856	·874	·873	·880	·876	·871	·878	1011·79	9 20	·954	15 27	·802	18
·781	·778	·774	·780	·796	·820	·839	·846	·840	·834	·844	1010·65	8 50	·926	15 48	·762	19
·783	·768	·778	·795	·812	·835	·856	·863	·850	·843	·833	1010·27	9 55	·898	15 52	·756	20
·741	·722	·723	·734	·756	·784	·797	·804	·796	·788	·798	1009·08	8 46	·861	16 47	·711	21
·714	·705	·722	·749	·760	·763	·768	·773	·763	·747	·765	1007·97	9 50	·819	16 3	·685	22
·682	·675	·689	·708	·723	·740	·752	·761	·764	·753	·734	1006·92	8 25	·796	15 10	·662	23
·684	·687	·705	·720	·724	·758	·769	·765	·750	·753	·748	1007·39	8 32	·828	14 50	·676	24
·655	·645	·643	·656	·671	·683	·703	·719	·717	·709	·712	1006·17	9 8	·789	16 8	·629	25
·647	·641	·644	·649	·666	·685	·705	·721	·721	·709	·700	1005·76	9 46	·778	15 0	·632	26
·635	·628	·641	·655	·674	·696	·705	·713	·707	·704	·692	1005·50	10 4	·763	14 52	·619	27
·640	·635	·654	·662	·681	·704	·735	·745	·737	·732	·693	1005·53	9 35	·754	15 20	·628	28
·630	·614	·611	·634	·647	·681	·720	·728	·727	·717	·689	1005·39	9 20	·758	16 22	·594	29
·612	·624	·625	·658	·685	·701	·720	·729	·735	·731	·689	1005·39	22 52	·745	15 10	·595	30
29·709	**29·703**	29·704	29·715	29·730	29·748	29·765	29·776	29·772	29·765	29·749						Mean.
—·040	**—·046**	—·045	—·034	—·019	—·001	+·016	+·027	+·023	+·016							Variation.
1006·06	**1005·86**	1005·90	1006·27	1006·78	1007·39	1007·97	1008·34	1008·21	1007·97	1007·42						Mean in millibars
—1·36	**—1·56**	—1·52	—1·15	—·64	—·03	+·55	+·92	+·79	+·55							Variation in millibar

OCTOBER.

29·676	29·657	**29·653**	29·658	29·676	29·698	29·717	29·725	29·722	29·722	**29·713**	**1006·20**	9 20	29·791	15 47	**29 649**	1
·672	·658	·658	·673	·705	·735	·740	·750	·748	·748	·714	1006·24	9 42	·774	15 35	·652	2
·693	·683	·692	·697	·719	·739	·756	·759	·767	·753	·738	1007·05	9 0	·793	15 6	·679	3
·711	·711	·721	·733	·755	·775	·795	·813	·801	·799	·763	1007·90	9 44	·821	15 16	·701	4
·806	·803	·798	·804	·804	·826	836	·845	·845	·836	·822	1009·90	9 14	·886	1 40	·770	5
·825	·819	·819	·824	·835	·855	·875	·883	·881	·874	·856	1011·04	8 42	·915	15 18	·803	6
·816	·823	·833	·842	·856	·881	·903	·908	·903	·899	·870	1011·52	9 28	·931	14 40	·809	7
·872	·866	·872	·890	·903	·924	·935	·942	·942	·939	·905	1012·71	9 32	·963	3 10	·849	8
·877	·868	·876	·884	·906	·925	·926	·926	·918	·917	**·923**	**1013·31**	9 20	**·994**	15 20	·858	9
·824	·819	·822	·836	·854	·873	·885	·887	·887	·887	·879	1011·82	9 7	·947	14 52	·813	10
·812	·805	·809	·825	·843	·864	·877	·878	·875	·875	·869	1011·48	9 0	·945	16 0	·799	11
·852	·854	·854	·871	·899	·910	·920	·926	·922	·916	·896	1012·40	9 7	·961	15 5	·845	12
·854	·845	·846	·860	·876	·896	·903	·907	·904	·900	·906	1012·74	9 0	·984	15 50	·840	13
·844	·837	·842	·854	·863	·887	·890	·891	·884	·874	·886	1012·06	9 10	·949	15 45	·833	14
·819	·813	·821	·829	·848	·869	·885	·887	·886	·882	·866	1011·38	9 28	·941	15 5	·807	15
·820	·820	·819	·828	·848	·873	·886	·888	·889	·887	·869	1011·48	9 22	·951	14 45	·811	16
·853	·851	·854	·867	·888	·909	·924	·920	·917	·903	·897	1012·44	9 25	·979	15 35	·847	17
·852	·854	·856	·860	·879	·895	·910	·915	·907	·899	·900	1012·50	9 0	·973	14 35	·847	18
·858	·852	·853	·867	·888	·911	·914	·918	·915	·903	·904	1012·68	9 25	·982	15 30	·849	19
·815	·806	·903	·812	·825	·847	·860	·867	·862	·854	·869	1011·48	9 35	·947	15 10	·799	20
·812	·801	·808	·821	·842	·875	·895	·899	·904	·893	·863	1011·28	9 22	·933	15 10	·795	21
·857	·859	·865	·877	·897	·931	·950	·958	·951	·944	·909	1012·84	9 30	·973	14 52	·847	22
·843	·840	·835	·843	·856	·877	·889	·900	·901	·895	·904	1012·68	9 15	·985	14 52	·837	23
·861	·859	·864	·886	·901	·921	·931	·932	·925	·922	·909	1012·84	9 12	·979	14 37	·851	24
·863	·859	·855	·866	·884	·900	·913	·912	·911	·907	·911	1012·91	9 10	·981	15 55	·849	25
·837	·831	·832	·842	·860	·888	·900	·912	·907	·902	·893	1012·30	9 2	·977	16 17	·821	26
·796	·787	·783	·794	·807	·827	·843	·854	·855	·854	·857	1011·08	9 0	·943	16 0	·769	27
·817	·812	·809	·816	·828	·846	·865	·870	·869	·864	·860	1011·18	9 0	·945	16 6	·805	28
·817	·812	·808	·812	·822	·837	·845	·846	·846	·841	·857	1011·08	9 12	·947	15 25	·805	29
·796	·796	·792	·800	·810	·827	·836	·845	·846	·844	·841	1010·54	9 7	·925	14 35	·791	30
·750	·751	·756	·772	·793	·816	·830	·839	·842	·840	·817		8 48	·882	14 37	·744	31
29·813	**29·808**	29·810	29·821	29·837	29·859	29·872	29·877	29·875	29·870	29·860						Mean.
—·047	**—·052**	—·050	—·039	—·023	—·001	+·012	+·017	+·015	+·010							Variation.
1009·59	**1009·42**	1009·49	1009·86	1010·41	1011·14	1011·59	1011·76	1011·69	1011·52	1011·18						Mean in millibars
—1·59	**—1·76**	—1·69	—1·32	—·77	—·04	+·41	+·58	+·51	+·34							Variation in millibars

(Averages for sixty minutes from full hour to full hour of local mean time.)

NOVEMBER. (IN INCHES OF MERCURY AT 32° F.)

Date.	Hours. (B. M. T.)													
	0—1	1—2	2—3	3—4	4—5	5—6	6—7	7—8	8—9	9—10	10—11	11—12	12—13	13—14
1	29·820	29·812	29·810	29·815	29·828	29·848	29·875	29·896	29·915	29·920	29·909	29·886	29·854	29·834
2	·837	·829	·826	·830	·842	·858	·888	·913	·936	·941	·924	·899	·868	·834
3	·833	·827	·823	·825	·833	·844	·866	·880	·907	·913	·893	·866	·830	·809
4	·814	·810	·802	·808	·808	·822	·839	·854	·868	·881	·866	·838	·802	·770
5	·802	·792	·781	·788	·789	·803	·830	·858	·877	·880	·870	·852	·826	·806
6	·834	·832	·825	·825	·837	·855	·873	·896	·914	·923	·908	·881	·849	·824
7	·856	·840	·829	·824	·828	·844	·865	·885	·905	·912	·886	·853	·812	·778
8	·784	·773	·765	·773	·769	·784	·799	·826	·841	·840	·818	·795	·772	·747
9	·794	·771	·751	·750	·759	·774	·798	·817	·838	·842	·831	·808	·774	·741
10	·769	·770	·757	·745	·747	·764	·788	·801	·821	·833	·821	·789	·758	·731
11	·778	·750	·749	·739	·741	·762	·789	·795	·806	·811	·809	·795	·757	·751
12	·746	·718	·707	·714	·723	·744	·775	·800	·825	·836	·833	·824	·801	·776
13	·800	·794	·793	·783	·793	·803	·833	·862	·891	·901	·898	·884	·862	·842
14	·898	·898	·885	·887	·881	·895	·909	·935	·951	·963	·955	·944	·918	·885
15	·942	·933	·920	·918	·917	·921	·946	·974	30·001	30·013	·997	·973	·937	·914
16	·959	·946	·931	·931	·931	·939	·954	·974	29·986	29·988	·966	·942	·914	·879
17	·879	·869	·857	·857	·859	·868	·887	·905	·930	·939	·927	·905	·886	·861
18	·907	·898	·889	·890	·887	·905	·925	·942	·957	·967	·946	·926	·899	·872
19	·899	·882	·878	·886	·899	·916	·929	·945	·970	·976	·956	·930	·903	·884
20	·949	·931	·930	·936	·939	·961	·971	·989	·998	30·003	·998	·980	·950	·920
21	·973	·959	·951	·954	·963	·981	·990	30·009	30·030	·031	30·022	30·000	·973	·956
22	30·004	·996	·978	·970	·976	·989	30·000	·034	·049	·053	·038	·020	·989	·966
23	29·982	·967	·958	·958	·960	·979	·004	·025	·040	·040	·035	·010	·974	·948
24	·973	·973	·958	·958	·961	·976	29·994	·019	·033	·037	·028	·001	·970	·944
25	·998	·984	·979	·980	·984	30·002	30·022	·040	·063	·074	·064	·041	30·001	·977
26	30·015	30·006	·990	·994	·994	·008	·018	·040	·067	·071	·057	·024	29·989	·955
27	·005	29·998	·984	·986	·996	·008	·028	·048	·076	·087	·070	·041	30·008	·976
28	29·983	·971	·957	·963	·966	29·986	·000	·026	·044	·053	·038	·006	29·978	·952
29	·930	·916	·906	·902	·900	·910	29·927	29·946	29·968	29·975	29·960	29·933	·902	·884
30	·890	·886	·884	·892	·895	·915	·931	·959	·978	·986	·967	·940	·917	·890
Mean .	29·888	29·878	29·868	29·869	29·873	29·889	29·908	29·930	29·949	**29·956**	29·943	29·920	29·889	29·864
Variation.	—·006	—·016	—·026	—·025	—·021	—·005	+·014	+·036	+·055	**+·062**	+·049	+·026	—·005	—·030
Mean in millibars.	1012·13	1011·79	1011·45	1011·48	1011·62	1012·16	1012·81	1013·55	1014·19	**1014·43**	1013·99	1013·21	1012·16	1011·32
Variation in millibars.	—·21	—·55	—·89	—·86	—·72	—·18	+·47	+1·21	+1·85	**+2·09**	+1·65	+·87	—·18	—1·02

DECEMBER.

1	29·908	29·904	29·895	29·894	29·902	29·924	29·955	29·980	30·008	30·020	30·007	29·982	29·961	29·936
2	30·004	·998	·984	·981	·983	30·004	30·027	30·047	·068	**·070**	·060	30·030	·992	·961
3	29·960	·945	·939	·933	·938	29·945	29·962	29·982	·004	·009	29·999	29·964	·924	·889
4	·922	·919	·912	·914	·910	·923	·931	·962	29·969	29·978	·961	·936	·904	·879
5	·889	·881	·862	·863	·868	·876	·891	·911	·932	·934	·928	·904	·867	·844
6	·883	·886	·874	·878	·880	·898	·913	·938	·955	·970	·954	·926	·885	·863
7	·923	·914	·907	·907	·907	·923	·950	·979	30·000	30·013	30·011	·985	·959	·934
8	·962	·956	·942	·943	·947	·961	·981	30·010	·029	·042	·025	30·004	·985	·959
9	30·003	·999	·990	·988	·991	·998	30·017	·037	·043	·053	·047	·020	·983	·953
10	29·945	·940	·924	·914	·914	·925	29·953	29·972	29·984	29·988	29·982	29·955	·929	·904
11	·941	·925	·918	·908	·905	·920	·936	·954	·973	·982	·970	·944	·907	·888
12	·944	·929	·908	·903	·905	·928	·955	·980	30·007	30·023	30·010	·983	·945	·909
13	·980	·964	·953	·950	·956	·979	30·000	30·028	·051	·059	·042	30·016	·980	·946
14	·995	·985	·971	·957	·959	·968	29·976	·001	·020	·033	·018	29·995	·969	·931
15	·915	·902	·887	·885	·891	·901	·929	29·949	29·973	29·979	29·963	·937	·903	·883
16	·904	·888	·866	·858	·856	·870	·880	·899	·922	·930	·920	·902	·866	·831
17	·865	·860	·843	·842	·850	·860	·878	·901	·923	·930	·915	·893	·871	·843
18	·897	·882	·864	·859	·852	·867	·880	·897	·915	·928	·909	·889	·867	·839
19	·865	·863	·851	·850	·851	·862	·885	·908	·921	·931	·929	·916	·890	·871
20	·890	·893	·879	·881	·885	·906	·930	·960	·970	·977	·968	·950	·917	·887
21	·900	·886	·875	·875	·875	·883	·895	·915	·939	·939	·919	·901	·863	·847
22	·908	·895	·872	·874	·880	·885	·903	·927	·938	·949	·937	·910	·873	·846
23	·881	·874	·862	·852	·851	·868	·899	·924	·940	·950	·940	·924	·888	·872
24	·909	·903	·881	·879	·875	·887	·895	·921	·945	·961	·945	·926	·890	·855
25	·926	·919	·913	·911	·909	·919	·931	·948	·977	·997	·988	·959	·915	·897
26	·920	·912	·904	·904	·908	·914	·934	·962	·990	30·003	·988	·964	·928	·898
27	·935	·925	·915	·909	·915	·931	·957	·986	30·009	·020	30·009	·983	·945	·921
28	·904	·900	·888	·890	·892	·902	·925	·947	29·972	29·990	29·986	·970	·937	·900
29	·933	·920	·913	·901	·905	·910	·927	·949	·967	·973	·964	·935	·910	881
30	·913	·909	·906	·902	·903	·921	·937	·970	·995	30·006	30·000	·963	·931	·897
31	·950	·928	·908	·903	·903	·912	·946	·981	30·011	·026	·012	·996	·963	·933
Mean .	29·925	29·916	29·903	29·900	29·902	29·915	29·935	29·959	29·979	**29·989**	29·978	29·954	29·921	29·893
Variation.	+·002	—·007	—·020	—·023	—·021	—·008	+·012	+·036	+·056	**+·066**	+·055	+·031	—·002	—·030
Mean in millibars.	1013·38	1013·08	1012·64	1012·54	1012·61	1013·05	1013·72	1014·53	1015·21	**1015·55**	1015·18	1014·37	1013·24	1012·30
Variation in millibars.	+·07	—·23	—·67	—·77	—·70	—·26	+·1	+1·22	+1·90	**+2·24**	+1·87	+1·06	—·07	—1·01

(Averages for sixty minutes from full hour to full hour of local mean time.)

NOVEMBER. (IN INCHES OF MERCURY AT 32° F.)

Hours. (B. M. T.)										Mean.		Maximum.		Minimum.		Date.
14—15	15—16	16—17	17—18	18—19	19—20	20—21	21—22	22—23	23—24	Inches.	Millibars.	Time.	Mag.	Time.	Mag.	
												H. M.		H. M.		
29·808	29·796	29·798	29·808	29·830	29·858	29·870	29·874	29·862	29·849	29·849	1010·81	9 30	29·922	15 15	29·794	1
·817	·813	·817	·826	·836	·850	·858	·859	·85[illegible]	·844	·858	1011·11	9 20	·942	15 40	·808	2
·789	·784	·785	·793	·800	·817	·829	·836	·835	·828	·835	1010·34	9 12	·922	15 10	·778	3
·755	·755	·762	·773	·788	·815	·830	·834	·825	·815	·814	1009·63	9 16	·888	15 0	·742	4
·780	·784	·798	·822	·836	·866	·868	·866	·863	·856	·829	1010·13	9 10	·892	14 45	·772	5
·804	·800	·801	·811	·835	850	·858	·862	·859	·858	·851	1010·87	9 10	·930	15 35	·788	6
·749	·744	·754	·767	·786	·806	·812	·814	·807	·798	·823	1009·93	9 15	·919	15 10	·732	7
·732	·733	·742	·743	·754	·783	·813	·806	·803	·812	·784	1008·61	8 42	·855	14 45	·724	8
·718	**·708**	·711	·728	·755	·776	·786	·791	·812	·807	·777	1008·38	9 2	·849	15 30	·705	9
·709	·713	·733	·740	·759	·794	·804	·815	·810	·799	·774	1008·28	9 25	·838	14 55	**·692**	10
·729	·731	·726	·739	·745	·756	·762	·771	·772	·773	**·764**	**1007·94**	9 40	·816	14 35	·718	11
·758	·757	·771	·773	·793	·812	·829	·833	·829	·811	·783	1008·57	9 5	·843	2 20	·700	12
·820	·818	·822	·842	·866	·904	·913	·920	·912	·906	·853	1010·94	22 10	·920	3 27	·774	13
·873	·869	·873	·896	·917	·947	·968	·983	·976	·961	·919	1013·18	21 52	·989	13 45	·859	14
·894	·890	·898	·927	·946	·965	·987	·994	·989	·975	·949	1014·19	9 8	30·021	15 45	·877	15
·858	·849	·849	·859	·888	·924	·930	·925	·919	·896	·922	1013·28	8 52	29·992	15 25	·836	16
·846	·844	·849	·870	·890	·916	·922	·930	·931	·921	·889	1012·16	9 5	·946	15 38	·830	17
·858	·860	·864	·880	·906	·924	·928	·928	·926	·914	·908	1012·81	9 0	·970	14 53	·840	18
·870	·871	·878	·900	·924	·950	·958	·956	·951	·957	·919	1013·18	9 10	·982	15 0	·856	19
·899	·893	·903	·926	·944	·978	30·000	·997	·994	·987	·958	1014·50	2[illegible] 50	30·010	14 58	·886	20
·942	·940	·944	·969	·988	30·013	·015	30·030	30·026	30·020	·987	1015·49	8 53	·041	14 58	·925	21
·942	·934	·941	·956	·971	29·988	·003	·007	·007	29·944	·992	1015·66	9 0	·056	16 0	·930	22
·930	·921	·921	·938	·956	·976	29·990	29·993	29·993	·987	·979	1015·21	9 0	·045	16 0	·912	23
·931	·936	·937	·950	·968	·989	·999	30·016	30·016	30·007	·982	1015·32	9 41	·052	14 32	·920	24
·958	·956	·965	·983	30·001	30·018	30·029	·038	·037	·027	**30·009**	**1016·22**	9 30	·081	15 0	·950	25
·934	·935	·946	·960	29·985	·007	·029	·029	·025	·018	·004	1016·06	9 0	·078	14 55	·924	26
·961	·949	·949	·958	·980	·004	·016	·021	·009	29·999	·006	1016·12	9 10	**·094**	16 8	·934	27
·924	·921	·917	·927	·936	29·956	29·964	29·967	29·957	·946	29·972	1014·98	9 20	·062	16 35	·914	28
·861	·860	·857	·863	·864	·901	·912	·919	·918	·907	·909	1012·84	9 0	29·981	15 52	·849	29
·874	·878	·877	·882	·890	·908	·918	·924	·927	·920	·914	1013·02	9 4	·987	15 45	·867	30
29·844	**29·842**	29·846	29·860	29·878	29·902	29·913	29·918	29·915	29·906	29·894						Mean.
—·050	**—·052**	—·048	—·034	—·016	+·008	+·019	+·024	+·021	+·012							Variation.
1010·65	**1010·58**	1010·71	1011·18	1011·79	1012·61	1012·98	1013·15	1013·05	1012·74	1012·34						Mean in millibars.
—1·69	**—1·76**	—1·63	—1·16	—·55	+·27	+·64	+·81	+·71	+·40							Variation in millibars.

DECEMBER.

29·924	29·924	29·930	29·950	29·968	29·988	30·005	30·012	30·010	30·004	29·958	1014·50	9 22	30·029	3 20	29·885	1
·940	·927	·928	·931	·948	·958	29·977	29·981	29·978	29·960	**·989**	**1015·55**	9 2[illegible]	**·081**	16 15	·917	2
·872	·872	·872	·883	·895	·916	·920	·933	·936	·930	·934	1013·69	9 32	·013	14 40	·863	3
·858	·852	·859	·869	·880	·897	·908	·909	·909	·895	·911	1012·91	9 4	29·981	15 8	·841	4
·831	·822	·833	·854	·871	·891	·912	·920	·915	·903	·883	1011·96	9 32	·935	15 14	·815	5
·845	·842	·853	·874	·895	·917	·934	·947	·946	·936	·904	1012·68	9 8	·975	14 50	·831	6
·915	·915	·915	·935	·947	·974	·984	·993	·982	·972	·952	1014·30	9 31	30·016	3 50	·894	7
·939	·939	·941	·955	·974	·995	30·013	30·026	30·028	30·025	·983	1015·35	9 18	·044	14 50	·928	8
·932	·916	·915	·921	·928	·949	29·956	29·971	29·968	29·962	·981	1015·28	9 28	·056	15 43	·911	9
·896	·895	·894	·901	·912	·931	·947	·953	·953	·948	·936	1013·75	9 0	29·993	15 26	·887	10
·875	·876	·876	·890	·915	·934	·952	·961	·955	·951	·927	1013·45	9 30	·989	15 50	·869	11
·890	·882	·880	·900	·925	·952	·978	·987	·992	·983	·946	1014·09	9 18	30·027	15 28	·869	12
·926	·921	·920	·938	·963	·986	·999	30·019	30·013	30·005	·983	1015·35	9 25	·066	16 12	·914	13
·909	·895	·900	·909	·927	·947	·959	29·965	29·953	29·935	·962	1014·64	9 8	·039	15 10	·889	14
·863	·860	·855	·858	·877	·899	·909	·923	·931	·921	·908	1012·81	9 0	29·987	16 4	·847	15
·820	**·811**	·815	·825	·835	·860	·863	·877	·880	·870	**·869**	**1011·48**	9 3	·938	15 45	**·804**	16
·830	·821	·821	·837	·850	·878	·887	·908	·908	·901	·871	1011·55	9 2	·940	15 10	·816	17
·825	·821	·822	·834	·846	·869	·888	·891	·882	·879	·871	1011·55	9 0	·933	15 38	·809	18
·854	·856	·854	·861	·871	·889	·887	·893	·891	·890	·881	1011·89	9 4	·947	15 0	·839	19
·868	·864	·864	·876	·887	·898	·917	·920	·911	·900	·908	1012·81	9 0	·988	2 55	·858	20
·826	·821	·822	·832	·849	·878	·899	·918	·918	·916	·883	1011·96	8 59	·949	15 10	·811	21
·839	·834	·836	·844	·869	·888	·906	·917	·907	·902	·889	1012·16	9 46	·960	15 5	·830	22
·848	·848	·852	·861	·879	·899	·917	·929	·924	·920	·892	1012·27	9 47	·960	15 22	·844	23
·843	·837	·828	·847	·857	·881	·909	·919	·929	·925	·894	1012·34	9 42	·971	16 10	·823	24
·874	·874	·876	·881	·899	·929	·939	·945	·943	·937	·925	1013·38	9 34	30·011	15 7	.863	25
·882	·875	·873	·884	·904	·925	·950	·953	·950	·940	·928	1013·48	9 10	·007	16 0	·868	26
·891	·881	·873	·889	·896	·920	·935	·942	·934	·924	·935	1013·72	9 50	·025	15 35	·871	27
·894	·896	·890	·902	·906	·925	·936	·947	·944	·938	·924	1013·35	10 15	29·996	3 2	·880	28
·965	·856	·864	·870	·890	·911	·928	·928	·922	·917	·914	1013·62	9 6	·978	15 25	·851	29
·889	·877	·883	·897	·925	·949	·957	·968	·963	·960	·934	1013·69	9 10	30·009	15 18	·871	30
·913	·898	·901	·928	·944	·956	·966	·971	·965	·958	·949	1014·19	9 44	·028	15 34	·891	31
29·877	**29·871**	29·872	29·885	29·901	29·922	29·937	29·946	29·943	29·936	29·923						Mean.
—·046	**—·052**	—·051	—·038	—·022	—·001	+·014	+·023	+·020	+·013							Variation.
1011·76	**1011·55**	1011·59	1012·03	1012·55	1013·28	1013.79	1014·09	1013·99	1013·75	1013·31						Mean in millibars.
—1·55	**—1·76**	—1·72	—1·28	—·76	—·03	+·48	+·78	+·68	+·44							Variation in millibar

RAINFALL (IN INCHES), 1936.

(Totals for sixty minutes from full hour to full hour of local mean time.)

MAY. (FROM PLUVIOGRAPH RECORDS.)

Date.	Hours. (B. M. T.)													
	0—1	1—2	2—3	3—4	4—5	5—6	6—7	7—8	8—9	9—10	10—11	11—12	12—13	13—14
26	..	..	..	..	..	..	..	..	..	..	..	..	..	..
29	..	..	..	..	..	..	0·02	..	..	..	..	..	..	..
30	..	..	0·01	..	..	..	..	0·01	0·12	0·10	0·01	..	..	..
31	..	..	..	..	..	0·01	..	..	..	..	..	..	..	..
Total.	..	..	0·01	..	..	0·01	0·02	0·01	0·12	0·10	0·01	..	..	..

JUNE.

1	0·01	..	..	..	..	..	..	..	..	..	..	..	..	..
2	..	..	..	0·01	0·11	0·05	..	0·01	0·02	..	..	..	..	..
3	0·04	..	..	0·08	..	0·03	..	..	..	..	..	..	..	..
4	0·01	..	..	0·06	..	..	0·01	..	0·21	..	..	0·29	..	0·05
5	0·58	0·01	..	..	0·01	..	0·03	..	..	..	..	..	..	..
6	..	..	..	..	..	..	..	..	..	..	..	..	..	..
7	..	0·01	..	..	..	..	..	..	..	..	..	..	..	..
8	..	..	..	..	..	..	..	..	..	..	..	..	..	..
9	..	..	..	..	..	..	..	..	..	..	..	..	0·03	..
10	..	..	..	..	..	..	0·13	..	..	..	..	..	..	..
11	..	..	..	..	..	..	..	..	0·01	0·38	..	..	..	..
12	0·06	..	0·79	..	0·06	..	..	0·23	0·13	0·11	0·09	0·20	0·10	0·04
13	..	..	..	..	..	..	..	..	..	..	..	..	..	..
14	..	..	0·34	0·04	..	..	..	0·10	0·01	..	..	..	..	..
15	..	..	..	..	..	..	..	..	..	..	..	..	..	..
16	..	..	..	..	..	..	..	..	..	..	..	..	..	..
17	..	0·08	..	..	..	..	..	0·03	..	..	..	..	..	..
18	..	..	..	..	0·07	..	..	0·01	0·06	0·06	..	..	0·01	0·08
19	..	..	..	..	0·13	..	..	..	..	..	..	..	..	..
20	..	..	..	..	..	..	..	..	..	..	..	..	..	..
21	..	..	..	..	..	..	0·13	0·05	0·02	0·02	0·01	..	..	..
22	0·17	0·11	0·25	0·19	0·37	0·61	0·29	0·18	0·17	0·75	0·14	0·04	0·08	0·28
23	..	..	..	..	0·24	0·11	0·01	0·06	0·04	..	0·07	0·56	0·10	0·23
24	..	..	..	0·01	0·26	0·38	0·20	0·02	0·04	0·17	0·30	0·02	..	..
25	..	..	..	0·04	..	..	..	..	0·01	..	..	0·04	..	..
26	0·32	0·41	0·29	0·30	0·13	0·04	0·01	0·73	0·36	0·25	0·05	..	..	..
27	..	0·08	..	..	0·08	1·26	1·25	0·78	0·49	0·47	0·19	0·09	..	..
28	..	..	..	..	..	..	..	..	..	..	0·18	0·43	0·36	1·10
29	..	..	..	..	..	..	..	..	0·07	..	..	..	..	..
30	..	0·05	..	..	..	..	..	..	..	..	..	..	..	..
Total.	1·19	0·75	1·67	0·73	1·46	2·48	2·06	2·20	1·64	2·21	1·03	1·67	0·68	1·79

(Totals for sixty minutes from full hour to full hour of local mean time.)

MAY. (FROM PLUVIOGRAPH RECORDS.)

Hours (B. M. T.) 14—15	15—16	16—17	17—18	18—19	19—20	20—21	21—22	22—23	23—24	Daily total.	Maximum fall in one hour.	Time of occurrence. H. to H.	Daily* total by Newman.	Date.
..	..	..	..	..	..	..	..	..	..	..	..	..	0·01	26
..	..	..	..	..	..	..	..	..	..	0·02	0·02	6 7	0·03	29
..	..	..	..	..	..	..	..	..	..	**0·25**	**0·12**	8 9	**0·26**	30
..	..	..	..	..	..	..	..	..	..	0·01	0·01	5 6	0·04	31
..	..	..	..	..	..	..	..	..	..	0·28			0·34	Total.

JUNE.

..	..	..	..	..	0·07	..	0·06	..	..	0·14	0·07	19 20	0·14	1
..	..	..	..	..	..	..	..	..	..	0·20	0·11	4 5	0·20	2
..	..	..	..	..	..	..	0·07	..	..	0·22	0·08	3 4	0·24	3
..	..	..	..	0·21	..	..	0·69	0·26	0·02	1·81	0·69	21 22	1·70	4
..	..	..	..	..	..	..	..	..	..	0·63	0·58	0 1	0·62	5
..	..	..	..	..	..	..	..	..	..	..	..	..	..	6
..	..	..	..	..	..	..	..	..	..	0·01	0·01	1 2	0·01	7
..	0·61	..	..	..	..	..	..	..	..	0·01	0·01	15 16	0·02	8
0·02	..	..	..	..	..	..	..	..	..	0·05	0·03	12 13	0·06	9
..	..	..	..	..	..	..	..	..	..	0·13	0·13	6 7	0·14	10
..	..	..	..	..	..	..	..	0·48	..	0·87	0·48	22 23	0·91	11
0·03	0·02	..	..	..	..	..	..	..	..	1·86	0·79	2 3	1·86	12
..	..	..	0·01	0·01	..	..	..	..	..	0·02	0·01	17 18	0·02	13
..	..	..	..	..	0·08	..	..	..	..	0·57	0·34	2 3	0·58	14
..	..	..	..	..	..	..	..	..	..	..	..	..	..	15
..	..	..	..	0·21	0·02	..	..	..	..	0·23	0·21	18 19	0·23	16
..	..	..	..	..	..	..	..	..	..	0·11	0·08	1 2	0·12	17
..	..	..	..	..	..	..	0·01	..	..	0·30	0·08	13 14	0·34	18
..	..	..	..	..	..	..	..	..	..	0·13	0·13	4 5	0·16	19
..	..	..	..	..	..	..	..	0·03	..	0·03	0·03	22 23	0·02	20
..	..	..	..	..	0·44	0·07	0·01	0·68	0·87	2·30	0·87	23 24	2·78	21
0·16	0·01	..	..	..	0·17	..	..	0·13	0·05	4·15	0·75	9 10	3·59	22
0·40	..	..	..	..	..	0·44	..	0·08	0·08	2·42	0·56	11 12	2·38	23
..	..	..	..	..	..	..	..	..	..	1·40	0·38	5 6	1·21	24
..	..	0·09	..	..	0·03	0·27	0·02	0·06	0·02	0·58	0·27	20 21	0·57	25
..	1·20	0·26	0·01	0·16	..	..	..	0·53	0·02	5·07	1·20	15 16	4·04	26
0·02	0·06	0·87	0·14	0·12	0·12	0·06	..	0·10	..	**6·18**	1·26	5 6	**5·60**	27
2·29	0·78	0·06	..	..	..	..	..	..	..	5·20	**2·29**	14 15	4·95	28
..	..	..	..	..	..	..	..	..	..	0·07	0·07	8 9	0·08	29
..	..	..	..	..	..	..	..	..	..	0·05	0·05	1 2	0·05	30
2·92	2·08	1·28	0·16	0·71	0·93	0·84	0·86	2·35	1·06	34·74			32·62	Total.

† No rainfall occurred on days not included in this table. * Adopted as the standard instrument in the Observatory since 1845.

RAINFALL (IN INCHES), 1936.

(Totals for sixty minutes from full hour to full hour of local mean time.)

JULY. (FROM PLUVIOGRAPH RECORDS.)

Date.	Hours. (B. M. T.)													
	0–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12	12–13	13–14
1	..	..	..	..	..	..	..	..	0·01	..	..	..	..	..
2	0·02	..	..	..	..	..	..	..	..	..	..	0·05	..	..
3	0·13	..	..	..	..	..	0·02	..	..	..	..	0·01	..	0·14
4	..	0·01	..	..	..	..	..	..	..	..	..	..	..	..
5	..	..	0 02	..	..	..	..	..	..	..	..	..	..	..
6	..	0·06	..	0·02	..	..	..	..	..	..	..	.	..	..
7	..	..	..	0·04	..	0·01	0·01	..	..	..	..	..	..	..
8	0·01	..	0·06	0·01	..	..	..	..	..	0·02	..	..	..	..
9	..	..	0·20	..	..	..	..	..	..	0·02	..	..	..	..
10	..	..	..	..	..	..	0·09	0·02	..	..	..	..	..	..
11	..	..	..	..	..	0·03	..	..	0·05	..	..	..	..	..
12	..	..	0·09	..	..	..	..	..	0·04	..	..	..	..	..
13	..	..	0·20	0·02	..	..	..	..	..	0·13	0·40	..	..	..
14	..	..	..	..	..	..	..	..	..	..	..	..	..	..
15	..	..	..	..	..	..	..	..	..	0·08	..	..	..	..
16	..	..	..	..	..	..	..	0·19	..	..	..	..	..	..
17	..	..	0·03	0·01	0·02	0·01	..	..	..	0·03	0·03	..	..	..
18	..	..	..	..	..	..	..	..	0 02	0·01	0·15	..	..	..
19	0·28	..	..	..	..	..	..	..	..	..	..	..	..	..
20	..	..	..	..	..	..	0·05	..	..	..	..	0·17	0·16	0·12
21	..	..	..	..	..	..	..	..	..	..	..	..	..	..
22	..	..	..	0 24	0·09	0·16	0·04	0·02	..	..	..	..	..	..
23	0.04	..	..	0·11	..	..	..	0·05	..	..	..	..	..	..
24	..	0·01	0·05	..	..	..	..	..	..	..	..	..	..	..
25	..	..	..	..	..	..	..	..	0·05	..	..	..	0·02	..
26	..	..	..	..	0·01	0·01	..	..	..	..	..	..	..	..
27	0·10	0·02	..	..	..	..	..	..	..	..	..	0·05	..	..
28	..	..	..	0·04	..	..	..	..	..	..	..	..	..	..
29	..	..	..	..	0·10	..	..	..	..	..	..	..	0·08	0·04
30	..	0 03	0·04	..	..	..	..	0 01	0·20	0·04	0·01	..	0·07	..
31	..	0·11	..	..	..	0·09	..	..	..	0·02	..	..	..	0·01
Total.	0·58	0·24	0·69	0·49	0·22	0·31	0·21	0·29	0·37	0·35	0·59	0·28	0·33	0·31

AUGUST.

1	0·01	0·02	..	..	..	..	..	..	..	..	..	..	..	..
2	..	..	..	..	..	..	..	0·01	0 10	..	..	..	..	..
3	0·02	..	..	..	..	0·01	..	..	..	0 01	..	..	..	..
4	0·04	0·01	..	0·08	0·09	..	0·06	0·01	..	..	..	..	0·11	..
5	..	..	..	..	..	..	..	..	..	..	..	..	..	..
6	0·23	0·14	0·01	0·28	..	..	..	..	0 07	0·53	..	..	..	..
7	0·01	0·03	0·04	0·14	..	..	..	..	..	..	..	..	..	..
8	0·01	..	..	..	..	0·02	..	..	..	..	..	..	..	..
9	..	..	..	..	..	..	..	..	..	..	..	..	..	..
10	..	..	..	..	..	..	..	..	..	0·02	..	0·01	..	..
11	..	..	..	0·01	..	..	..	..	..	..	..	..	..	..
12	..	..	..	..	..	..	..	..	..	..	..	..	..	..
13	..	..	..	..	..	..	..	..	..	..	..	..	..	..
14	..	0·04	..	..	0·07	..	..	..	..	..	..	..	..	..
15	0·03	..	..	..	..	..	..	0·42	..	0·01	..	0·02	..	..
16	..	..	..	..	0·03	..	..	..	..	..	..	..	..	..
17	..	..	..	..	..	..	..	0·02	..	..	..	..	..	..
18	..	..	0·01	..	..	..	..	..	..	..	..	..	..	..
19	..	..	..	0·04	..	..	..	..	..	..	..	..	0·04	..
20	..	..	0·01	..	..	..	..	..	..	..	..	..	..	..
21	..	..	..	..	..	..	0·04	0 13	0·01	..	..	..	..	..
22	..	0·37	0·69	0·02	0·07	..	..	..	..	..	..	..	0·68	..
23	..	..	..	..	..	..	..	..	..	..	..	..	..	..
24	..	..	..	..	..	..	..	..	..	0·03		..	..	..
25	..	0·02	..	..	..	..	..	..	..	..	..	..	..	..
26	..	..	..	..	..	..	..	..	..	..	..	..	..	..
27	0·05	0·01	..	..	..	..	..	..	..	..	..	..	..	..
28	..	..	..	..	..	..	0.01	..	0·12	..	..	..	..	..
29	..	..	..	0·09	..	0·06	0·01	..	..	..	0·01	..	..	..
30	..	..	..	..	..	..	..	..	..	..	..	..	..	..
31	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Total.	0 40	0·64	0·76	0·66	0·26	0·09	0·12	0·59	0·30	0·60	0·01	0·03	0·23	..

(Totals for sixty minutes from full hour to full hour of local mean time.)

JULY. (FROM PLUVIOGRAPH RECORDS.

Hours. (B.M.T.) 14–15	15–16	16–17	17–18	18–19	19–20	20–21	21–22	22–23	23–24	Daily Total.	Maximum fall in one hour.	Time of occurrence. H. to H.	Daily* total by Newman.	Date.
..	..	..	..	..	..	0·05	..	0·24	0·58	0·88	**0·58**	23 24	0·87	1
..	..	..	..	0·10	0·07	..	..	..	..	0·24	0·10	18 19	0·22	2
0·04	0·01	..	..	..	..	..	0·03	0·02	..	0·40	0·14	13 14	0·38	3
..	..	..	0·01	..	..	..	..	..	..	0·02	0·01	1 2	0·02	4
..	..	..	..	..	..	..	..	..	..	0·02	0·02	2 3	0·03	5
..	..	..	..	..	..	0·07	..	..	..	0·15	0·07	20 21	0·15	6
0·01	..	..	..	..	..	0·03	0·02	0·04	..	0·16	0·04	3 4	0·18	7
..	..	..	..	..	..	..	..	0·12	..	0·22	0·12	22 23	0·21	8
..	..	..	..	0·02	..	..	..	..	..	0·24	0·20	2 3	0·21	9
..	..	..	..	..	..	..	..	..	..	0·11	0·09	6 7	0·11	10
..	..	..	..	..	..	..	..	..	0·01	0·09	0·05	8 9	0·07	11
..	..	..	..	..	..	..	..	..	0·01	0·14	0·09	2 3	0·15	12
..	..	..	..	..	0·04	..	..	..	..	0·79	0·40	10 11	0·70	13
..	..	..	..	..	..	..	..	..	..	..	..	..	..	14
..	..	..	..	0·01	..	..	..	..	..	0·09	0·08	9 10	0·08	15
..	..	..	..	0·03	..	0·01	0·06	..	..	0·29	0·19	7 8	0·32	16
..	0·01	..	..	..	..	0·04	..	..	..	0·18	0·04	20 21	0·17	17
..	..	..	..	..	0·01	..	..	0·05	0·01	0·25	0·15	10 11	0·22	18
..	..	..	..	0·11	..	..	..	..	..	0·39	0·28	0 1	0·39	19
..	..	..	..	..	0·08	..	0·28	0·08	0·21	**1·15**	0·28	21 22	**0·95**	20
..	0·01	..	0·10	..	0·17	0·01	..	0·13	0·02	0·44	0·17	19 20	0·39	21
0·06	..	0·12	0·04	0·06	..	..	..	..	0·11	0·24	0·24	3 4	0·32	22
..	..	..	..	..	..	0·01	..	..	..	0·21	0·11	3 4	0·20	23
..	..	..	..	..	..	..	..	..	..	0·06	0·05	2 3	0·06	24
0·01	..	0·01	..	..	..	..	..	..	..	0·09	0·05	8 9	0·09	25
..	..	..	..	..	..	..	0·02	0·01	0·02	0·07	0·02	21 22	0·05	26
..	..	..	..	..	..	..	0·03	0·01	..	0·21	0·10	0 1	0·21	27
..	..	..	..	..	..	..	..	..	..	0·04	0·04	3 4	0·05	28
..	..	..	..	..	0·02	0·01	..	..	0·08	0·33	0·10	4 5	0·26	29
..	..	..	..	..	..	..	..	..	..	0·40	0·20	8 9	0·35	30
..	..	..	..	..	..	..	..	..	..	0·23	0·11	1 2	0·22	31
0·12	0·03	0·13	0 15	0·33	0 39	0·23	0·44	0·70	**1·05**	8·83			8·13	Total.

AUGUST.

..	0·02	..	..	..	..	..	..	..	..	0·05	0·02	1 2	0·05	1
..	..	..	..	0·02	..	..	..	0·06	0·21	0·40	0·21	23 24	0·40	2
..	..	..	..	..	0·02	..	..	0·02	0·03	0·11	0·03	23 24	0·10	3
..	..	..	..	0·09	..	0·04	0·04	0·02	0·06	0·65	0·11	12 13	0·56	4
..	..	..	0·10	0·12	0·09	0·01	0·66	0·60	0·66	**2·24**	0·66	21 22	**2·11**	5
0·09	..	..	..	0·02	0·17	0·02	..	0·04	..	1·60	0·53	9 10	1·26	6
..	..	..	..	..	..	0·12	..	..	0·24	0·58	0·24	23 24	0·52	7
..	..	..	..	..	..	..	..	..	0·11	0·14	0·11	23 24	0·14	8
..	..	..	..	..	..	..	0·06	..	..	0·06	0·06	21 22	0·06	9
..	0·04	..	..	..	0·01	..	..	0·03	..	0·11	0·04	15 16	0·11	10
..	..	..	..	..	..	..	0·29	0·04	..	0·34	0·29	21 22	0·35	11
..	..	..	..	..	..	..	..	..	..	..	..	..	..	12
..	..	..	..	..	..	..	..	..	..	..	..	..	..	13
..	..	..	..	..	0·11	0·09	..	0·04	0·08	0·43	0·11	19 20	0·40	14
..	..	..	..	..	..	..	..	..	..	0·48	0·42	7 8	0·41	15
..	..	..	..	..	..	..	..	..	..	0·03	0·03	4 5	0·02	16
..	..	..	..	..	..	..	..	..	..	0·02	0·02	7 8	0·02	17
..	..	..	..	..	0·01	..	..	0·09	..	0·11	0·09	22 23	0·12	18
0·01	..	..	..	0·01	..	..	..	..	..	0·10	0·04	3 4	0·09	19
..	..	..	..	..	0·04	..	0·11	0·01	..	0·17	0·11	21 22	0·16	20
..	..	..	..	..	0·02	..	..	..	..	0·20	0·13	7 8	0·17	21
0·05	0·33	0·29	0·03	..	..	..	..	..	..	1·93	**0·69**	2 3	1·67	22
..	..	..	..	..	..	..	..	..	0·03	0·03	0·03	23 24	0·03	23
..	..	..	..	..	..	..	..	..	..	0·03	0·03	9 10	0·04	24
..	..	..	..	..	..	..	..	..	..	0·02	0·02	1 2	0·02	25
..	..	..	..	..	..	..	..	..	..	..	..	..	..	26
..	..	..	..	..	..	..	..	..	..	0·06	0·05	0 1	0·07	27
..	..	..	..	..	..	..	..	..	..	0·13	0·12	8 9	0·13	28
..	0·04	..	..	..	..	..	..	..	..	0·21	0·09	3 4	0·22	29
..	..	..	..	..	..	..	..	..	..	..	..	..	..	30
..	..	..	..	..	..	..	..	..	..	..	..	..	..	31
0·15	0·43	0·29	0·13	0·26	0·47	0·28	1·16	0·95	**1·42**	10·23			9 23	Total.

* Adopted as the standard instrument in the Observatory since 1845.

RAINFALL (IN INCHES), 1936.

(Totals for sixty minutes from full hour to full hour of local mean time.)

SEPTEMBER. †

(FROM PLUVIOGRAPH RECORDS.)

Date.	Hours (B. M. T.).													
	0–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12	12–13	13–14
1	..	..	..	0·04	0·02	..	..	0·04	0·01	..	..	..	..	..
2	..	..	..	..	..	..	..	..	..	..	..	..	..	..
3	..	..	..	..	..	..	..	0·03	..	..	..	..	..	..
4	0·01	..	..	..	..	..	..	..	..	..	..	..	..	..
5	..	0·02	..	..	..	..	..	..	..	..	..	0·02	..	0·01
6	0·01	..	0·08	..	..	..	..	0·01	0·15	..	..	0·04	0·04	0·02
7	0·20	..	..	0·12	..	..	..	..	..	..	..	..	..	0·01
8	..	..	..	..	0·02	0·05	..	..	..	..	..	0·01	0·79	1·06
9	0·21	0·41	0·02	..	..	..	..	..	..	..	0·09	0·02	..	..
10	0·02	0·07	..	..	0·07	..	..	..	..	..	..	..	..	0·17
11	..	..	0·02	..	..	..	..	..	0·08	..	..	..	0·11	0·02
12	..	..	..	0·02	0·01	0·01	0·01	..	..	..	..	..	..	0·01
13	..	..	..	0·06	..	..	..	..	..	..	..	..	..	..
22	..	..	..	0·12	0·04	..	..	..	..	..	..	..	..	..
24	..	..	..	..	..	0·03	0·02	..	..	..	..	..	..	..
26	..	..	..	0·01	..	..	..	.	..	..	0·01	..	..	..
28	..	..	..	..	..	..	..	..	..	..	..	..	..	..
29	..	..	..	..	..	..	..	..	..	..	..	..	..	..
30	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Total .	0·45	0·50	0·12	0·37	0·16	0·09	0·03	0·08	0·24	..	0·10	0·09	0·94	**1·30**

NOVEMBER.†

8	..	..	..	..	..	..	..	..	..	..	..	..	..	..
9	0·13	0·01	..	..	..	..	..	..	..	..	..	..	..	..
10	0 01	0·03	0·01	..	..	..	..	..	..	..	..	..	..	..
11	..	..	..	..	..	..	..	..	..	..	..	..	..	0·20
12	..	..	..	..	..	0·06	0·02	0·02	0·01	..	..	0·16	0·03	..
Total .	0·14	0·04	0·01	..	..	0·06	0·02	0·02	0·01	..	..	0·16	0·03	0·20

†There was no rain on days not included in this table.

(Totals for sixty minutes from full hour to full hour of local mean time.)

SEPTEMBER.†

(FROM PLUVIOGRAPH RECORDS.)

Hours (B. M. T.)										Daily total.	Maximum fall in one hour.	Time of occurrence.	Daily* total by Newman.	Date.
14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	22-23	23-24			H. to H		
0·16	..	..	..	..	..	..	..	..	..	0·27	0·16	14 15	0·26	1
..	0·03	0·03	..	..	0·01	..	..	..	..	0·07	0·03	15 16	0·09	2
..	..	..	..	..	..	..	..	..	..	0·03	0·03	7 8	0·03	3
..	..	0·12	..	..	..	..	..	..	0·17	0·30	0·17	23 24	0·28	4
0·12	0·02	..	..	0·01	0·01	..	..	..	..	0·21	0·12	14 15	0·14	5
..	0·18	0·02	0·27	0·15	0·05	..	..	0·07	0·01	1·10	0·27	17 18	0·92	6
..	..	..	..	..	..	..	0·10	..	..	0·43	0·20	0 1	0·38	7
0·11	0·21	0·05	0·34	0·06	..	..	..	0·02	0·10	**2·82**	**1·06**	13 14	**1·70**	8
..	..	..	..	..	..	..	..	..	..	0·75	0·41	1 2	0·59	9
0·02	..	..	..	..	..	..	..	..	..	0·35	0·17	13 14	0·35	10
..	..	..	..	..	..	..	0·18	..	..	0·41	0·18	21 22	0·40	11
0·01	..	..	..	..	..	..	..	0·07	..	0·14	0·07	22 23	0·12	12
..	..	0·03	0·01	..	..	..	..	..	..	0·10	0.06	3 4	0·11	13
..	..	..	..	..	0·01	0·02	..	..	..	0·19	0·12	3 4	0·22	22
..	..	..	..	..	..	..	..	..	..	0·05	0·03	5 6	0·06	24
..	0·01	..	..	..	..	..	..	..	..	0·03	0·01	3 4	0·04	26
..	..	..	..	..	..	0·01	0·01	..	..	0·02	0·01	20 21	0·02	28
0·01	..	..	..	..	..	..	..	..	..	0·01	0·01	14 15	0.01	29
..	..	0·01	..	..	..	..	..	..	..	0·01	0·01	16 17	0·01	30
0·43	0·45	0·26	0·62	0·22	0·08	0·03	0·29	0·16	0·28	7·29	..	..	5·73	Total

NOVEMBER.†

..	..	..	..	..	..	..	..	..	0·17	0·17	0·17	23 24	0·19	8
..	..	..	..	..	..	..	..	0·72	0·08	**0·94**	**0·72**	22 23	**1·02**	9
..	..	0·04	..	..	0·10	0·12	0·01	..	0·10	0·42	0·12	20 21	0·49	10
..	..	..	..	..	..	..	..	..	..	0·20	0·20	13 14	0·20	11
..	0·10	..	..	..	..	..	..	..	..	0·40	0·16	11 12	0·41	12
..	0·10	0·04	..	..	0·10	0·12	0·01	0·72	0·35	2·13	..	..	2·31	Total.

* Adopted as the standard instrument in the Observatory since 1845.

† There was no rain on days not included in these tables.

NOTE.—There was a fall of 0·06″ of rain between 22 and 23 hrs. on the 6th February. The months of January, March April, October and December were dry.

Total rainfall in the year was 58·43″ by the Newman Raingauge and 63·56″ by the Pluviograph.

Total number of rainy days in the year was 78 according to Newman and 79 according to the Pluviograph, assuming a rainy day to be one on which a tenth of an inch or upwards has fallen.

The greatest fall of rain during a day in the year, that of 27th June, was 5·60″ by Newman and 6·18″ by the Pluviograph.

WIND VELOCITY, 1936.

(Averages for sixty minutes from full hour to full hour of local mean time)

(IN MILES PER HOUR)

JANUARY.

Date.	Hour (B. M. T.).														
	0—1	1—2	2—3	3—4	4—5	5—6	6—7	7—8	8—9	9—10	10—11	11—12	12—13	13—14	14—15
1	5	5	4	3	3	5	5	7	5	4	4	4	5	5	4
2	4	3	3	3	3	3	3	3	3	3	3	3	6	7	8
3	3	3	3	3	3	4	4	4	5	4	5	6	8	9	10
4	6	6	6	6	5	5	5	4	9	11	13	16	14	12	13
5	8	6	7	7	5	6	6	5	7	6	5	8	11	11	10
6	4	4	4	4	5	4	4	3	3	4	5	7	8	9	9
7	4	5	5	5	6	6	6	6	6	7	6	8	10	13	16
8	6	5	5	6	5	5	5	5	5	4	7	9	12	16	17
9	4	3	4	4	3	4	5	5	6	6	5	5	4	5	6
10	4	3	2	1	3	4	3	3	5	5	3	4	6	6	6
11	1	2	2	2	3	3	3	4	4	5	4	4	2	3	6
12	2	2	2	3	5	4	4	3	3	3	3	3	6	8	11
13	5	5	5	4	5	5	4	4	4	4	3	5	7	8	10
14	5	5	5	3	2	2	2	2	2	3	3	5	7	8	10
15	5	5	5	6	10	8	5	5	4	4	6	9	12	12	11
16	6	6	7	7	5	5	5	5	5	4	4	6	11	11	11
17	5	3	4	4	4	4	4	5	5	5	5	3	4	5	7
18	4	5	5	5	6	7	6	6	7	5	4	4	4	6	6
19	3	2	1	3	6	4	4	4	5	4	3	3	4	5	6
20	1	1	1	1	1	1	2	2	3	3	3	5	7	8	7
21	1	1	1	1	1	2	4	3	7	5	6	7	8	9	10
22	4	4	4	4	2	2	2	2	2	2	2	6	7	9	10
23	2	2	1	3	2	4	7	7	6	5	6	7	7	7	7
24	6	5	5	5	7	6	5	5	5	5	5	10	11	12	15
25	5	5	5	5	5	7	6	5	6	3	3	3	6	8	11
26	5	5	5	5	5	5	5	4	4	4	4	9	11	14	16
27	4	4	4	5	5	6	6	5	5	5	3	5	11	12	12
28	4	4	4	4	4	4	4	4	4	5	4	4	5	5	4
29	4	5	7	7	5	4	3	3	4	4	3	5	4	7	7
30	2	2	3	5	7	7	6	7	7	6	5	4	4	6	7
31	5	5	5	5	5	5	5	5	5	7	8	6	6	9	11
Mean ..	4·1	3·9	4·0	4·2	4·4	4·5	4·5	4·4	4·9	4·7	4·6	5·9	7·4	8·5	9·5

FEBRUARY.

1	1	3	5	6	6	6	7	6	5	4	4	4	5	5	6
2	5	5	3	2	2	3	3	4	6	7	6	6	8	11	12
3	6	6	7	6	5	5	5	5	5	5	5	3	5	7	10
4	7	8	4	3	3	4	2	2	2	2	2	3	6	8	9
5	5	5	5	5	5	4	5	5	4	4	4	4	5	6	11
6	5	5	5	5	5	5	4	3	3	4	2	4	3	3	2
7	5	5	5	5	5	5	5	3	3	3	3	5	6	4	6
8	4	3	3	4	5	5	5	5	5	5	4	5	7	9	10
9	4	4	4	5	5	7	5	5	6	6	6	4	5	6	10
10	6	5	4	4	4	6	7	6	4	5	5	3	3	5	6
11	3	10	8	10	7	6	5	5	6	4	5	8	6	5	8
12	2	2	4	4	5	4	5	5	5	5	4	3	4	5	6
13	1	1	1	5	4	3	4	6	9	6	3	3	4	4	5
14	2	0	0	1	1	2	2	3	5	5	4	3	5	6	7
15	4	2	1	4	5	5	4	5	4	4	4	5	6	7	7
16	2	2	3	5	3	3	4	3	3	3	4	7	8	8	9
17	7	7	7	4	4	3	4	5	5	5	5	6	8	9	11
18	7	5	4	4	4	4	5	5	5	5	4	7	7	6	7
19	5	6	3	4	4	4	5	5	6	7	10	9	8	9	9
20	5	4	4	4	5	5	6	5	9	9	7	9	9	10	10
21	5	5	6	8	7	7	6	4	5	5	8	7	12	12	12
22	2	4	5	6	7	6	4	2	4	4	4	4	6	9	9
23	3	0	1	2	3	3	4	5	6	5	5	3	4	7	11
24	4	4	4	4	5	5	5	6	6	5	6	11	12	11	12
25	5	5	6	6	7	7	7	5	6	4	8	11	11	11	13
26	2	2	3	6	7	4	4	3	3	3	3	6	9	9	11
27	2	2	2	2	5	4	4	4	4	4	4	5	5	6	7
28	1	3	1	1	1	2	5	6	6	5	5	5	10	9	8
29	4	2	1	1	2	2	3	4	3	3	5	8	9	11	10
Mean ..	3·9	4·0	3·8	4·3	4·5	4·4	4·6	4·5	4·9	4·7	4·6	5·6	6·8	7·5	8·8

(Averages for sixty minutes from full hour to full hour of local mean time.)

(IN MILES PER HOUR.)

JANUARY.

Hours (B. M. T.).									Mean.	Mean by R. Beckley's Anemograph.	Maximum.			Minimum.		Date.
15—16	16—17	17—18	18—19	19—20	20—21	21—22	22—23	23—24			Time.		Mag.	Time.		Mag.	
											H.	M.		H.	M.		
4	5	5	5	5	3	3	1	5	4·3	4·4	7	7	8	21	50	1	1
9	8	9	7	7	4	5	7	6	5·0	4·5	17	15	13	3	10	1	2
13	14	15	14	13	12	9	5	6	7·3	6·5	20	45	21	0	0	3	3
14	12	10	9	7	7	5	5	8	8·7	8·0	12	10	24	7	7	3	4
10	10	10	9	10	11	9	8	5	7·9	7·4	13	28	18	13	50	2	5
8	8	8	11	11	10	5	4	4	6·1	5·7	19	47	18	6	47	2	6
16	17	16	15	13	12	11	6	6	9·2	8·1	16	20	25	11	55	3	7
17	16	16	14	14	12	6	5	5	9·0	7·8	16	45	26	9	30	3	8
6	8	9	9	6	3	3	3	1	4·9	4·4	17	40	13	1	5	1	9
6	7	6	6	5	4	3	1	1	4·0	4·3	16	28	12	23	25	1	10
8	10	11	11	10	11	8	5	4	5·3	5·4	20	50	18	0	0	1	11
13	15	15	15	15	12	6	7	7	7·0	6·5	18	10	27	0	57	2	12
9	7	8	9	8	5	3	2	5	5·6	5·7	14	25	15	20	58	1	13
8	4	3	6	8	11	8	5	5	5·1	5·0	14	10	16	4	22	2	14
11	12	14	12	13	12	13	7	6	8·6	7·5	4	50	20	9	32	2	15
11	11	11	9	11	12	12	8	7	7·9	7·0	19	6	19	11	0	2	16
8	11	10	10	12	11	10	8	5	6·3	5·9	19	55	17	15	45	2	17
6	5	6	7	6	5	5	5	4	5·4	5·4	5	52	9	12	45	3	18
7	6	6	3	3	3	3	1	1	3·7	3·4	16	55	9	1	30	1	19
8	7	6	5	5	5	2	1	1	3·6	4·3	13	22	11	0	0	1	20
12	14	12	13	10	6	5	4	4	6·1	6·2	16	52	21	0	0	1	21
10	10	7	5	6	5	4	3	3	4·8	5·0	16	30	13	4	20	1	22
9	12	15	14	15	13	8	7	6	7·2	6·5	18	45	22	2	25	0	23
14	16	14	14	14	12	12	9	5	9·0	8·0	14	58	23	10	50	1	24
14	14	16	16	16	13	9	3	5	7·9	6·7	16	47	22	8	55	2	25
15	15	16	15	13	10	8	6	6	8·5	7·3	15	45	25	10	56	2	26
14	14	14	14	12	8	4	4	4	7·5	6·5	15	50	21	10	45	3	27
4	3	4	5	5	5	5	4	4	4·3	3·4	13	42	7	15	25	1	28
7	6	5	6	6	5	5	4	2	4·9	4·9	13	55	11	12	28	1	29
9	9	10	11	12	12	9	4	4	6·6	6·5	20	45	18	0	1	2	30
14	15	14	13	13	10	7	4	3	7·7	6·9	18	2	24	23	47	1	31
10·1	10·4	10·4	10·1	9·8	8·5	6·6	4·7	4·5	6·4	6·0							Mean.

FEBRUARY.

7	8	6	8	8	7	5	5	5	5·5	5·5	16	12	12	0	1	1	1
13	10	11	11	10	8	5	6	6	6·8	6·4	16	16	19	3	8	1	2
10	12	12	11	11	12	9	6	7	7·3	6·9	14	55	20	12	20	1	3
10	10	12	14	14	7	5	5	5	6·1	6·2	19	5	24	6	15	2	4
10	10	12	9	7	8	7	8	6	6·4	6·0	14	57	18	11	34	2	5
4	4	5	5	5	5	5	6	5	4·3	3·7	22	50	11	14	15	1	6
5	6	5	5	5	5	5	5	5	4·7	4·4	14	15	9	15	31	1	7
11	11	14	15	16	12	7	7	4	7·3	7·0	18	8	23	11	38	1	8
11	14	14	14	14	13	6	5	5	7·4	6·9	18	28	25	9	30	2	9
6	8	9	9	7	6	2	4	2	5·3	4·7	18	8	16	21	12	1	10
8	6	5	4	4	4	4	1	1	5·5	4·3	14	56	15	9	55	1	11
7	7	7	6	5	4	2	1	1	4·3	3·4	16	32	11	22	1	1	12
6	6	7	5	2	2	2	0	2	3·8	3·5	8	6	9	22	3	0	13
9	8	9	8	5	4	4	4	4	4·2	4·3	15	20	13	0	52	0	14
7	7	6	6	6	6	4	4	3	4·8	5·2	13	5	11	1	54	1	15
10	10	10	8	9	9	8	7	7	6·0	6·6	16	40	16	0	35	2	16
12	13	15	14	13	13	12	10	7	8·3	8·2	17	12	22	2	43	2	17
7	8	8	7	7	7	7	5	5	5·8	6·0	17	42	13	9	58	2	18
10	9	10	10	11	11	10	8	7	7·5	7·3	19	58	16	2	1	2	19
12	14	13	12	11	9	6	5	5	7·8	7·2	17	7	20	13	51	1	20
12	14	12	8	8	6	4	4	2	7·2	6·9	13	32	22	10	1	2	21
9	7	6	8	7	5	4	3	3	5·3	5·3	13	30	10	0	20	1	22
12	11	9	6	4	5	4	4	4	5·0	5·6	16	10	19	1	4	0	23
12	13	14	13	13	7	4	3	4	7·6	6·9							24
13	13	11	13	13	11	7	3	2	8·3	7·9	15	37	21	10	3	1	25
10	9	10	7	4	2	2	2	2	5·1	5·6	15	11	14	0	1	2	26
8	9	9	8	7	5	4	2	2	4·7	4·7	15	32	12	23	35	1	27
9	9	9	9	8	9	10	7	4	5·9	6·3	12	28	12	0	1	1	28
9	8	8	8	7	5	5	4	2	5·2	6·0	12	48	15	2	0	0	29
9·3	9·4	9·6	9·0	8·3	7·1	5·5	4·6	4·0	6·0	5·8							Mean.

WIND VELOCITY, 1936.

(Averages for sixty minutes from full hour to full hour of local mean time.)

(IN MILES PER HOUR.)

MARCH.

Date.	Hours (B. M. T.).														
	0—1	1—2	2—3	3—4	4—5	5—6	6—7	7—8	8—9	9—10	10—11	11—12	12—13	13—14	14—15
1	2	2	1	1	5	5	5	5	4	3	3	4	4	7	8
2	8	8	9	11	1	9	11	15	14	13	3	14	17	19	20
3	10	8	9	9	10	9	6	6	5	4	6	11	14	18	21
4	7	5	12	8	5	5	5	5	4	4	6	6	8	11	13
5	8	8	7	5	4	4	2	1	2	2	2	3	5	6	7
6	4	4	4	1	1	2	5	4	2	4	7	7	7	7	9
7	3	3	3	3	3	3	2	3	3	3	4	5	6	6	6
8	7	8	9	6	5	5	5	7	7	9	10	12	17	20	20
9	10	9	10	9	8	9	5	8	12	13	14	17	18	18	17
10	11	10	8	6	7	6	6	5	6	5	6	10	14	13	15
11	3	3	3	4	5	5	5	5	4	4	7	12	15	15	16
12	5	5	5	7	6	7	8	10	11	10	9	8	5	10	14
13	1	1	2	3	4	3	3	3	4	4	4	5	6	8	11
14	0	2	2	4	5	5	5	5	3	4	2	2	6	8	9
15	4	3	0	4	4	3	2	2	3	3	1	3	5	5	6
16	2	1	2	4	5	2	2	3	4	6	8	9	13	16	20
17	9	8	7	9	8	4	4	2	3	3	5	6	9	12	12
18	6	4	0	0	1	4	3	3	6	9	14	20	22	20	13
19	7	4	3	3	2	2	2	3	4	4	2	5	7	9	9
20	5	2	3	3	3	3	5	5	5	5	8	7	7	9	10
21	2	2	2	2	3	4	5	6	7	6	5	2	7	8	12
22	3	5	4	3	3	4	5	5	5	5	7	8	7	9	12
23	11	8	7	4	5	5	5	5	4	5	6	7	9	8	8
24	5	5	5	5	0	0	2	3	5	5	5	6	8	8	10
25	2	2	2	3	3	3	3	3	4	5	5	6	8	9	9
26	1	3	1	1	1	1	1	4	4	7	8	8	9	10	13
27	2	2	4	3	5	5	3	3	4	5	7	7	9	8	9
28	5	5	2	2	4	5	3	3	2	7	8	6	5	6	8
29	12	7	7	4	4	1	2	1	2	2	5	6	13	14	11
30	5	4	5	4	4	3	1	1	2	8	8	8	9	11	11
31	10	10	9	8	6	5	3	4	4	4	3	6	9	13	13
Mean ..	5·5	4·9	4·7	4·5	4·5	4·2	4·0	4·5	4·8	5·5	6·4	7·6	9·6	11·0	12·0

APRIL.

1	3	4	4	5	5	5	5	6	5	2	2	6	10	13	13
2	6	4	3	2	2	1	0	0	0	2	4	5	7	9	13
3	1	2	1	0	0	1	2	3	3	1	3	6	8	9	11
4	4	3	3	2	1	0	8	9	6	4	8	9	10	11	11
5	6	5	5	5	5	5	3	4	5	6	6	7	8	8	10
6	8	8	7	7	7	7	5	5	5	5	5	7	6	8	9
7	6	6	6	6	6	6	5	5	5	5	5	5	7	9	10
8	6	6	5	5	5	5	5	6	6	8	9	10	11	11	15
9	8	7	6	7	8	8	10	9	10	11	12	11	12	15	16
10	4	4	5	5	5	5	5	5	8	8	11	13	13	11	11
11	12	12	6	4	5	5	6	5	8	8	10	11	12	13	14
12	6	6	6	7	6	6	7	5	7	10	9	9	12	12	14
13	7	7	8	10	9	8	4	4	1	1	7	8	9	12	14
14	2	1	1	1	1	7	7	3	4	5	6	6	9	10	11
15	2	2	1	1	3	7	8	6	2	1	4	6	9	11	11
16	5	3	3	5	5	4	2	1	3	5	6	6	7	10	11
17	3	0	2	2	3	4	2	6	6	5	4	5	9	11	10
18	10	10	4	4	4	2	0	3	6	4	4	6	8	9	10
19	8	7	9	11	12	9	10	10	8	6	5	7	7	9	10
20	1	1	2	5	5	5	3	2	2	2	3	5	7	8	11
21	6	4	3	3	3	3	2	4	6	6	7	8	9	13	14
22	12	8	6	6	5	4	1	1	4	6	7	10	11	13	13
23	5	5	1	0	1	1	1	2	3	4	5	7	9	9	7
24	0	0	0	0	0	0	2	1	2	3	4	5	7	10	9
25	1	1	1	0	0	1	1	2	1	2	4	6	9	12	10
26	5	5	5	5	5	2	0	0	0	0	5	7	9	10	9
27	4	4	4	4	4	4	1	1	2	4	7	8	8	10	10
28	5	5	6	6	5	5	3	3	4	6	8	10	10	11	12
29	7	9	8	8	9	6	3	7	7	8	9	10	9	11	13
30	11	10	8	3	3	3	3	4	4	6	8	8	10	14	14
Mean ..	5·5	5·0	4·3	4·3	4·4	4·3	3·8	4·1	4·4	4·8	6·2	7·6	9·1	10·7	11·5

(Averages for sixty minutes from full hour to full hour of local mean time.)

MARCH. (IN MILES PER HOUR.)

Hours (B. M. T.)									Mean.	Mean by R. Beckley's Anemograph.	Maximum.		Minimum.		Date.
15—16	16—17	17—18	18—19	19—20	20—21	21—22	22—23	23—24			Time.	Mag.	Time.	Mag.	
											H. M.		H. M.		
8	7	8	9	9	11	11	9	8	5·8	6·1	20 47	17	2 30	1	1
21	22	21	20	19	13	13	10	13	14·3	12·8	16 7	32	5 15	3	2
20	21	18	17	13	11	7	6	6	11·0	10·1	14 12	31	0 40	3	3
14	16	10	9	7	5	5	5	5	7·5	7·0	16 20	23	8 20	3	4
8	7	5	5	5	5	5	5	4	4·8	5·1	15 3	11	6 16	0	5
8	7	6	4	3	1	2	3	3	4·3	4·4	14 31	13	2 42	1	6
6	9	9	7	5	5	5	6	6	4·7	4·8	16 46	14	11 50	2	7
19	15	14	15	15	16	17	14	10	11 7	10·5	14 38	30	8 5	3	8
17	16	13	9	10	10	11	11	11	11 9	10·7	13 25	28	5 54	3	9
16	17	19	19	16	14	10	7	5	10·5	9·4	18 25	28	13 25	2	10
17	16	16	14	14	12	8	6	5	8·9	7·8	17 32	26	0 15	2	11
14	14	15	15	13	16	14	6	3	9·7	8·1	20 55	25	23 30	0	12
13	12	12	12	10	4	5	1	0	5·5	5·3	15 24	20	0 1	0	13
11	10	12	11	10	6	4	5	4	5·6	5·5	16 42	17	0 1	0	14
8	10	10	8	7	5	3	3	3	4·4	4·3	19 38	14	1 35	0	15
20	20	19	16	14	10	9	10	11	9·4	7·9	14 30	30	1 14	1	16
13	14	13	13	12	9	7	6	6	8·1	7·1	18 29	21	13 40	1	17
11	11	7	3	2	1	3	4	8	7·3	6·3	12 17	31	2 20	0	18
8	7	6	4	5	7	7	4	5	5·0	4·3	13 50	13	18 32	0	19
10	8	7	6	5	4	2	2	2	5·3	4·8	14 38	16	12 21	1	20
14	12	12	12	12	7	2	3	3	6·3	6·4	15 11	22	11 5	1	21
16	16	14	12	10	8	5	7	7	7·5	7·3	15 45	26	11 37	2	22
12	15	13	10	9	5	5	7	6	7·5	7·7	16 59	21	14 4	1	23
12	10	11	8	5	5	3	2	2	5·4	5·4	15 30	20	3 47	0	24
7	6	6	5	4	1	2	4	4	4·4	4·6	13 10	16	23 50	0	25
11	8	4	3	9	9	8	5	2	5·5	5·8	14 55	19	0 1	0	26
10	8	8	7	8	5	5	6	7	5·8	6·2	15 43	16	7 33	0	27
8	8	8	10	9	6	4	5	11	5·8	6·0	18 45	14	2 20	1	28
12	10	9	7	4	1	5	8	7	6.4	6·3	13 40	21	20 15	0	29
14	15	16	14	13	12	6	4	8	7·7	7·6	16 45	22	5 50	1	30
12	14	14	11	7	5	5	2	1	7·4	7·0	16 27	22	6 23	1	31
12·6	12·3	11·5	10·2	9·2	7·4	6.4	5·7	5·7	7·3	6·9					Mean.

APRIL.

13	15	14	12	11	8	6	7	7	7·5	7·4	16 15	21	0 1	1	1
13	13	11	10	7	3	1	1	1	4·9	5·0	15 34	19	5 50	0	2
12	16	11	7	6	2	0	0	3	4·5	5·0	16 40	23	2 50	0	3
9	9	7	6	6	5	5	5	6	6·1	4·8	13 30	17	0 1	0	4
10	10	9	9	8	8	7	6	8	6·8	4.7	15 20	17	10 5	0	5
10	10	10	9	9	9	9	7	6	7·4	6·8	15 3	15	11 21	1	6
10	9	8	7	6	6	8	9	7	6·7	6.6	22 10	15	11 5	2	7
17	17	15	14	12	13	11	11	12	9·8	9·0	15 50	25	9 50	2	8
15	15	11	8	6	6	6	7	8	9·7	8·9	15 20	24	12 38	1	9
10	10	10	8	9	10	9	7	9	8·1	7·7	12 17	20	0 10	2	10
14	14	10	9	7	8	9	7	6	9·0	8·7	15 5	22	6 38	1	11
14	13	11	9	8	7	8	6	6	8·5	8·2	14 35	19	5 58	1	12
12	11	11	8	8	3	2	2	2	7·0	6·7	14 30	17	20 30	0	13
11	8	7	5	2	1	1	1	1	4·6	4·5	14 15	15	19 24	0	14
11	10	8	7	4	0	1	4	5	5·2	5·3	13 3	18	2 50	0	15
10	11	11	11	9	6	5	4	3	6·1	6.5	17 50	14	1 32	0	16
13	15	14	13	11	12	13	12	10	7·7	7·7	16 15	21	1 20	0	17
11	10	5	4	2	2	3	4	5	5·4	5·3	16 4	15	6 0	0	18
12	12	11	8	6	5	1	2	2	7·8	7·7	15 50	17	10 15	1	19
11	10	7	6	6	7	14	11	9	6·0	5·9	22 2	21	8 18	0	20
14	13	12	10	11	9	10	16	13	8·3	8·0	14 28	21	6 50	0	21
15	14	10	7	5	5	4	5	5	7·4	7·6	16 3	20	7 0	0	22
8	8	10	8	5	5	3	0	0	4·5	4·4	13 8	15	2 55	0	23
10	8	7	6	4	5	7	4	2	4·0	4·9	13 15	15	0 1	0	24
12	11	10	8	6	5	5	5	5	4·9	5·6	13 25	18	1 15	0	25
9	8	7	5	4	4	5	5	4	4·9	5·7	14 25	15	5 22	0	26
10	11	9	6	5	5	5	5	5	5·7	6·3	14 5	15	6 22	0	27
11	11	10	10	10	8	9	7	7	7·6	7·7	15 5	20	8 5	0	28
14	14	14	13	10	8	8	10	11	9·4	9·6	17 30	22	5 30	0	29
15	15	12	15	14	13	14	8	7	9·3	9·2	16 5	24	3 4	1	30
11·9	11·7	10·1	8·6	7·2	6·3	6·3	5·9	5·8	6·8	6·7					Mean.

WIND VELOCITY, 1936.

(Averages for sixty minutes from full hour to full hour of local mean time.)

MAY.

(IN MILES PER HOUR.)

Date.	Hours (B. M. T.)														
	0—1	1—2	2—3	3—4	4—5	5—6	6—7	7—8	8—9	9—10	10—11	11—12	12—13	13—14	14—15
1	5	5	5	2	2	3	3	3	3	3	5	8	10	12	13
2	1	1	1	1	1	1	1	1	2	3	4	6	7	8	10
3	2	1	1	4	6	6	7	8	8	6	4	6	6	7	7
4	6	6	6	3	3	3	1	2	3	4	5	5	5	8	10
5	6	6	5	5	5	3	0	1	3	3	6	8	9	10	10
6	10	8	4	3	3	1	1	2	3	5	5	6	8	10	11
7	5	5	2	0	0	0	0	2	3	3	2	4	5	8	8
8	6	5	5	3	2	1	1	3	4	3	3	7	8	10	10
9	2	2	2	2	2	1	0	1	3	4	4	6	7	12	14
10	1	0	0	1	3	2	1	1	1	3	4	7	10	10	10
11	5	3	0	5	12	14	12	12	13	11	12	10	8	9	9
12	5	5	5	5	3	0	0	0	5	7	9	8	9	10	10
13	3	3	2	2	2	2	7	10	11	12	12	10	11	10	11
14	3	1	1	1	2	1	2	5	9	10	10	10	8	8	7
15	3	2	1	2	2	4	10	14	14	15	10	9	11	10	11
16	2	5	11	12	11	8	5	6	6	6	5	7	7	9	13
17	5	4	5	3	1	0	3	1	1	1	3	4	5	6	7
18	4	4	4	3	3	3	2	2	2	4	6	7	7	9	8
19	4	3	3	3	2	2	2	2	4	6	6	7	7	8	10
20	5	7	6	7	5	4	6	6	6	5	6	9	9	8	9
21	6	6	6	7	7	8	6	5	8	8	10	11	13	14	15
22	9	8	6	8	7	6	5	6	6	6	8	9	9	10	10
23	10	10	6	6	7	8	8	8	9	10	10	9	11	10	11
24	11	11	11	10	9	8	7	8	9	8	9	9	9	9	10
25	7	5	5	5	5	2	1	5	5	7	6	8	8	8	10
26	5	5	5	3	3	4	3	6	6	7	7	7	8	10	10
27	8	8	8	9	8	8	7	7	7	8	9	9	7	13	11
28	9	8	10	10	8	7	7	7	7	7	8	8	8	7	9
29	10	9	8	8	8	8	10	10	10	10	14	12	14	14	10
30	15	13	12	12	11	11	10	12	16	12	13	15	16	16	16
31	6	5	7	8	9	11	10	7	10	8	10	10	12	10	10
Mean ..	5·8	5·3	4·9	4·9	4·9	4·5	4·5	5·3	6·4	6·6	7·3	8·1	8·8	9·8	10·3

JUNE.

1	10	9	9	9	7	7	6	9	8	9	9	10	11	10	9
2	11	10	13	12	13	11	12	10	10	11	16	15	14	14	14
3	14	12	13	13	14	12	13	13	14	15	15	13	13	14	16
4	15	12	14	14	16	16	16	16	15	15	18	22	21	16	15
5	15	14	14	16	18	18	18	16	15	11	8	11	12	12	13
6	11	14	13	11	12	12	11	12	9	12	12	12	11	11	12
7	11	11	11	12	10	10	10	8	8	8	8	8	9	10	8
8	11	10	8	7	7	7	7	7	6	6	6	8	8	9	8
9	9	8	9	8	8	6	8	8	8	7	8	9	12	7	12
10	9	9	9	9	10	8	7	9	9	9	10	10	12	11	11
11	8	8	7	7	6	7	6	6	6	5	6	12	13	13	13
12	8	6	9	9	10	6	6	6	3	4	3	6	5	10	10
13	11	13	12	13	8	7	10	10	7	7	8	9	8	9	8
14	6	4	13	11	10	8	4	8	2	5	4	3	7	8	10
15	12	12	11	10	12	11	11	10	10	11	12	12	11	11	11
16	11	11	11	11	10	9	9	9	10	10	10	10	10	9	9
17	12	11	11	11	9	6	5	7	6	5	8	7	8	7	10
18	10	11	10	12	11	10	13	12	13	8	7	12	11	10	14
19	9	10	7	10	12	12	11	13	13	14	15	15	13	13	12
20	12	11	10	11	11	8	10	10	9	10	12	12	11	10	7
21	7	6	7	8	8	10	11	12	13	14	16	24	23	25	23
22	18	17	12	11	12	16	12	12	4	5	4	7	11	20	20
23	10	16	20	20	15	10	10	15	14	22	18	17	24	20	16
24	12	11	14	15	17	15	18	14	12	17	10	9	9	10	12
25	11	13	13	13	12	11	10	11	13	11	11	15	14	16	15
26	15	20	13	15	13	20	22	21	30	22	19	19	18	21	19
27	26	25	23	23	24	24	23	13	12	7	2	1	3	4	14
28	8	7	8	7	4	5	7	6	7	10	10	13	15	16	14
29	12	14	13	13	14	12	11	10	15	15	14	14	15	16	15
30	9	11	12	13	14	14	15	13	13	14	15	15	14	15	15
Mean ..	11·4	11·5	11·6	11·8	11·6	10·9	11·1	10·9	10·5	10·6	10·5	11·7	12·2	12·6	12·8

(Averages for sixty minutes from full hour to full hour of local mean time.)

MAY.

(IN MILES PER HOUR.)

Hours. (B. M. T.)									Mean.	Mean by R. Beckley's Anemograph	Maximum.		Minimum.		Date.
15—16	16—17	17—18	18—19	19—20	20—21	21—22	22—23	23—24			Time.	Mag.	Time.	Mag.	
											H. M.		H. M.		
14	14	14	8	6	6	6	2	1	6·4	6·0	17 20	21	3 10	0	1
11	11	7	6	4	4	4	4	4	4·3	4·9	16 7	17	0 5	1	2
8	8	7	6	4	3	3	3	3	5·2	5·3	12 3	12	0 50	1	3
12	13	8	7	6	7	7	7	6	6·0	6·7	16 18	18	6 25	1	4
11	9	7	6	9	10	15	13	17	7·4	7·5	23 15	24	6 0	0	5
11	11	11	11	10	7	6	5	5	6·5	7·1	13 40	13	2 25	0	6
10	9	7	6	4	3	3	1	3	3·9	4·0	14 50	16	2 15	0	7
10	10	8	8	5	4	5	5	3	5·4	5.6	16 18	15	5 40	0	8
14	13	12	11	12	12	12	5	2	6·5	6·1	14 55	21	0 20	0	9
11	10	8	9	8	5	·6	6	5	5·1	5·1	13 6	17	0 25	0	10
9	9	8	6	6	6	6	6	6	8·2	7·5	5 30	21	1 31	0	11
11	10	8	8	6	6	5	4	3	5·9	4·2	13 38	17	4 45	0	12
10	9	7	6	6	5	5	5	4	6·9	5·3	14 47	21	4 25	2	13
8	9	7	5	4	4	3	3	3	5·2	4·0	11 15	16	1 0	1	14
11	10	8	5	4	4	0	0	1	6·7	5·4	9 40	23	20 52	0	15
12	13	12	10	9	5	1	0	4	7·5	7·1	16 51	21	21 30	0	16
7	7	9	6	5	5	5	4	3	4·2	3·7	17 42	14	5 35	0	17
8	9	9	8	7	8	7	6	6	5·7	5·5	14 20	12	6 0	2	18
10	13	11	11	8	8	6	5	3	6·0	6·0	15 55	22	5 5	2	19
10	12	9	9	6	5	4	5	5	6·8	7.2	16 0	18	7 45	0	20
14	12	12	12	10	8	8	3	5	8·9	9·1	14 45	23	7 15	0	21
12	10	12	10	10	10	9	8	9	8·5	7·8	17 35	16	16 45	5	22
11	10	10	10	9	9	11	9	9	9·2	5·1	12 25	19	17 5	2	23
10	10	10	8	10	9	7	8	7	9·0	4.9	1 2	19	21 15	2	24
10	9	6	4	4	2	4	5	5	5·7	3·9	15 45	16	5 52	1	25
8	9	8	8	8	8	7	8	7	6·7	3·7	14 10	17	18 3	2	26
13	12	11	9	8	8	8	8	9	8·9	6·3	16 5	20	7 58	3	27
8	7	7	7	8	8	9	10	10	8·1	5·2	22 40	17	10 12	0	28
10	10	10	10	10	11	14	14	16	10·8	7·7	10 10	21	15 15	0	29
13	10	8	8	10	8	7	7	8	11·6	8·9	8 40	28	8 58	3	30
10	10	8	8	9	8	8	9	9	8·8	6·3	8 37	18	22 31	2	31
10·5	10·3	9·0	7·9	7·3	6·6	6·5	5·7	5·8	7·0	5·9					Mean.

JUNE.

10	9	11	10	12	9	13	12	12	9·6	5·8	21 52	34	8 27	2	1
12	11	11	13	14	14	14	13	13	12·5	7·2	4 8	30	1 40	3	2
14	15	15	14	13	13	15	14	16	13·9	8·2	23 55	38	12 5	1	3
18	23	23	21	22	20	17	12	16	17·2	12·0	8 23	47	9 1	3	4
14	14	13	13	13	10	11	13	12	13·5	8·7	0 23	39	7 7	3	5
11	10	9	9	10	10	9	10	10	11·0	6·5	3 10	26	7 57	3	6
9	10	8	8	8	8	8	8	10	9·1	6·0	1 22	22	10 2	3	7
8	8	9	8	7	7	7	9	10	7·8	4·8	0 16	19	14 20	1	8
13	12	12	11	10	10	12	13	10	9·6	7·5	12 52	22	5 58	1	9
11	12	12	11	10	9	8	9	9	9·7	8·4	6 28	23	6 40	0	10
13	12	10	11	9	6	6	8	9	8·6	6·2	9 3	39	10 11	1	11
11	14	16	14	16	14	10	13	10	9·1	6·5	20 3	30	0 20	0	12
7	16	4	3	8	8	8	8	11	8·9	6·7	16 50	27	18 14	0	13
6	8	11	12	7	11	11	12	12	8·0	6·0	2 22	31	2 52	0	14
10	10	10	11	11	10	9	10	11	10·8	6·8	4 9	24	2 22	3	15
10	9	11	11	11	10	7	10	10	9·9	5·8	18 47	40	6 4	3	16
9	11	12	10	12	15	12	11	12	9·5	6·3	3 20	23	10 9	2	17
14	15	11	13	14	10	9	8	11	11·2	9·0	19 20	28	10 30	0	18
13	13	9	8	8	8	11	11	11	11·3	9·5	9 25	23	2 48	1	19
8	7	8	6	6	5	7	7	7	9·0	7·1	1 2	18	14 12	1	20
23	22	22	24	19	8	6	15	20	15·3	12·7	23 10	38	20 47	1	21
17	23	19	16	16	6	10	15	11	13·1	9·6	13 58	41	9 20	0	22
16	15	16	15	18	20	11	16	17	16·3	12·3	13 20	35	11 27	1	23
14	14	15	14	14	12	12	12	11	13·0	8·6	6 28	37	3 15	2	24
15	16	15	16	16	16	17	17	15	13·8	8·4	20 25	47	14 45	3	25
24	19	22	23	20	20	20	27	27	20·4	12·9	7 53	61	4 12	4	26
17	13	9	8	10	10	10	6	8	13·1	9·4	4 20	46	11 45	0	27
17	20	19	15	14	13	12	14	15	11·5	7·9	15 10	50	13 57	1	28
14	12	12	12	11	11	10	10	10	12·7	6·9	8 12	31	15 10	1	29
13	12	10	8	11	14	16	16	16	13·3	7·2	1 57	30	1 20	2	30
13.0	13·5	12·8	12·3	12·3	11·2	10.9	12·0	12·4	11·8	8·0					Mean.

WIND VELOCITY, 1936.

(Averages for sixty minutes from full hour to full hour of local mean time.)

(IN MILES PER HOUR.)

JULY.

Date.	Hours. (B. M. T.)														
	0—1	1—2	2—3	3—4	4—5	5—6	6—7	7—8	8—9	9—10	10—11	11—12	12—13	13—14	14—15
1	15	16	16	16	19	20	20	20	14	15	16	15	15	14	13
2	18	18	16	17	17	16	18	16	15	14	14	15	14	15	13
3	14	13	14	13	11	8	11	11	9	9	10	9	7	9	10
4	12	13	11	12	12	13	13	15	13	14	13	14	14	15	14
5	14	13	14	14	13	13	12	11	13	14	15	14	14	14	16
6	15	14	15	16	15	15	15	14	14	13	16	12	14	15	14
7	16	15	15	16	16	15	15	15	15	15	16	16	17	14	16
8	17	15	15	16	18	15	17	16	16	16	16	15	16	17	17
9	16	16	9	16	16	15	14	15	13	8	13	14	14	13	15
10	13	14	15	15	15	16	14	14	14	13	15	13	10	9	10
11	12	13	15	15	14	10	15	10	9	8	17	12	9	13	13
12	12	12	14	18	19	17	16	14	13	14	12	8	12	15	11
13	14	15	15	9	16	13	16	15	14	14	11	10	10	12	13
14	15	14	14	14	16	15	14	13	10	12	11	10	11	10	10
15	9	9	10	12	11	12	13	10	9	11	15	11	10	11	9
16	8	8	7	9	11	11	10	10	9	12	12	13	13	14	13
17	15	12	13	12	13	12	15	17	16	15	14	14	16	16	16
18	20	20	20	20	16	16	15	16	14	17	15	19	2	19	19
19	16	15	16	15	15	16	15	15	16	16	16	15	16	16	15
20	20	19	17	17	16	16	16	16	17	16	16	16	17	19	12
21	18	21	21	21	21	17	20	16	16	16	17	17	16	17	16
22	14	16	13	14	14	15	17	15	16	16	17	16	13	12	14
23	13	13	13	11	15	14	15	14	15	15	15	14	14	12	13
24	13	15	12	13	14	14	13	12	12	10	11	12	11	11	8
25	10	9	8	7	13	14	6	7	10	12	13	13	13	11	10
26	10	10	15	15	14	15	13	16	10	10	15	14	13	14	14
27	9	13	14	15	15	16	17	18	14	14	12	14	14	13	15
28	12	13	12	13	13	12	12	13	13	13	12	12	13	12	11
29	12	13	13	11	12	12	12	11	11	13	10	11	13	11	11
30	10	10	8	12	11	11	13	12	11	12	13	10	12	12	15
31	12	14	11	12	16	13	15	13	14	15	12	14	16	15	14
Mean . .	13·7	13·9	13·6	14·1	14·7	14·1	14·4	13·9	13·1	13·3	13·9	13·3	13·5	13·5	13·2

AUGUST.

1	14	14	15	15	15	16	15	15	15	15	14	15	14	14	14
2	16	15	14	15	16	14	15	14	8	13	14	13	13	14	15
3	15	16	15	14	14	13	13	13	14	14	14	14	13	14	13
4	14	13	13	12	17	16	17	15	14	14	13	14	15	14	14
5	14	14	14	15	15	16	15	16	13	13	15	15	14	15	15
6	19	18	16	18	18	18	15	15	14	13	15	18	17	14	7
7	17	19	20	19	18	19	18	17	17	16	16	14	18	20	18
8	18	21	20	19	17	20	15	19	16	17	18	16	17	15	15
9	17	17	18	17	15	14	15	15	13	15	14	16	15	15	13
10	15	15	13	12	12	13	13	13	19	7	3	4	9	14	14
11	12	14	16	16	20	17	16	15	13	13	10	12	11	11	11
12	12	12	10	11	11	12	10	10	11	11	11	12	10	12	13
13	11	11	11	11	10	11	10	10	11	10	12	15	16	15	14
14	10	10	7	7	16	14	12	13	12	12	13	12	12	10	11
15	8	10	10	10	7	8	7	6	9	13	13	16	14	15	16
16	8	11	10	11	10	11	14	15	16	15	15	15	16	18	17
17	13	13	13	11	10	10	13	11	12	15	11	13	11	14	16
18	15	13	12	11	12	13	14	14	14	14	14	15	14	15	14
19	14	14	15	16	12	14	15	15	15	15	14	14	15	14	15
20	12	10	11	12	12	12	13	12	14	12	12	13	11	15	8
21	10	11	14	14	14	14	16	14	15	17	16	15	16	15	16
22	16	19	18	18	19	17	15	16	14	14	19	20	14	13	19
23	12	13	14	13	13	11	12	11	10	12	12	10	9	8	10
24	8	8	8	7	9	8	9	6	5	7	8	8	8	10	10
25	10	6	9	12	12	11	11	12	14	14	13	14	13	12	12
26	13	14	14	15	15	15	14	14	13	13	13	16	16	15	16
27	14	12	13	14	13	14	14	13	12	10	11	11	12	12	11
28	9	10	10	8	8	6	12	13	8	1	4	8	12	14	10
29	9	9	10	5	3	6	6	2	4	6	3	4	2	2	4
30	4	5	6	5	3	4	6	6	6	5	5	6	8	7	9
31	5	5	3	4	6	6	7	7	7	7	10	9	8	9	9
Mean . .	12·4	12·6	12·6	12·5	12·5	12·7	12·8	12·5	12·2	12·0	12·1	12·8	12·7	13·1	12·9

(Averages for sixty minutes from full hour to full hour of local mean time.)

(IN MILES PER HOUR.)

JULY.

Hours. (B. M. T.)									Mean.	Mean by R. Beckley's Anemograph.	Maximum.		Minimum.		Date.
15—16	16—17	17—18	18—19	19—20	20—21	21—22	22—23	23—24			Time.	Mag.	Time.	Mag.	
											H. M.		H. M.		
15	13	15	14	10	12	10	16	11	15·0	8·9	7 50	35	21 50	2	1
13	12	12	11	12	13	14	11	11	14·4	8·7	1 18	35	14 53	1	2
11	12	10	9	9	10	10	11	10	10·4	6·5	0 35	32	6 8	2	3
13	12	14	14	13	13	12	12	13	13·1	8·0	2 6	26	14 23	2	4
16	15	14	14	17	16	16	15	15	14·3	8·0	2 8	30	13 28	1	5
15	16	16	16	15	15	16	17	16	15·0	9·1	20 37	34	11 20	1	6
16	16	17	18	19	18	17	17	15	16·0	9·9	22 48	35	15 50	3	7
14	15	15	15	15	15	11	15	15	15·5	9·1	7 15	36	15 40	3	8
14	14	13	7	11	11	13	14	14	13·3	7·5	1 15	33	18 35	1	9
12	10	13	12	12	12	12	12	11	12·7	7·5	5 22	30	14 1	1	10
14	11	11	11	10	11	12	11	11	12·0	7·0	11 4	35	7 50	3	11
11	13	12	12	10	8	11	9	14	12·8	7·5	2 24	35	22 6	1	12
12	13	14	13	13	13	12	14	14	13·1	8·0	2 27	32	12 15	1	13
11	11	12	9	10	10	9	10	10	11·7	7·1	0 18	27	6 52	3	14
11	12	9	9	10	10	9	10	10	10·5	7.7	10 35	26	9 45	3	15
14	14	15	15	14	14	14	15	15	12·1	9·9	7 10	29	0 28	3	16
15	16	16	15	16	18	17	17	21	15·3	10·0	22 30	35	5 45	3	17
17	16	16	16	17	19	19	19	18	17·6	10·5	8 45	37	19 10	3	18
15	15	15	13	14	16	17	18	19	15·6	10·3	0 13	36	0 45	4	19
18	17	19	17	17	18	16	16	18	16·9	11·7	10 47	35	10 18	4	20
17	15	17	16	16	17	16	14	16	17·3	11·6	1 50	35	17 13	3	21
16	15	14	14	15	11	11	11	13	14·3	10·3	5 59	31	22 37	3	22
13	13	13	12	14	14	13	14	11	13·5	7·6	7 25	33	13 50	2	23
8	7	9	8	12	12	9	10	11	11·1	6·7	0 57	26	12 50	1	24
10	9	10	11	12	11	11	13	15	10·7	6·3	12 20	30	0 58	2	25
13	15	15	14	17	14	15	19	9	13·7	7·6	22 35	32	23 33	1	26
13	14	12	12	14	12	12	13	13	13·7	8·2	7 2	32	17 23	1	27
12	13	12	12	11	12	11	10	12	12·1	7·0	12 38	28	2 40	2	28
11	10	11	10	12	12	8	7	9	11·1	6·6	12 7	28	7 55	2	29
13	15	15	11	8	7	7	12	12	11·3	7·8	12 20	39	8 25	2	30
15	15	14	15	14	14	14	14	14	14·0	9·0	12 37	37	1 18	2	31
13·5	13·4	13·5	12·7	13·2	13·2	12·7	13·4	13·4	13·5	8·4					Mean.

AUGUST.

16	15	15	15	14	14	15	14	16	14·7	9·2	15 10	33	16 20	3	1
13	13	13	13	14	14	15	16	12	13·8	8·3	7 25	34	8 40	2	2
14	15	15	14	14	14	14	13	15	14·0	7·7	0 22	31	23 3	1	3
14	13	13	13	12	12	12	11	13	13·7	8·2	6 50	33	17 7	2	4
14	14	13	15	16	16	17	16	15	14·8	9·1	21 25	40	9 10	3	5
12	13	13	13	15	13	14	12	13	14·7	9·2	3 18	40	14 40	2	6
13	14	13	14	10	12	15	16	15	16·2	11·4	3 28	41	19 50	2	7
14	15	16	15	16	14	15	16	13	16·5	11·5	5 12	37	23 20	3	8
11	12	13	13	13	11	13	14	14	14·3	9·6	2 45	30	15 45	4	9
18	16	14	10	12	9	6	12	13	11·9	8·1	8 35	31	10 55	1	10
11	10	11	10	10	10	11	10	13	12·6	8·7	4 40	29	12 2	2	11
12	13	10	9	9	9	8	9	10	10·7	8·3	0 8	21	4 53	3	12
13	16	18	14	14	11	11	9	10	12·3	9·1	11 28	26	9 35	3	13
10	9	7	8	7	6	3	5	6	9·4	6·4	7 29	21	22 10	0	14
15	14	13	12	12	10	11	11	10	11·3	8·3	14 45	28	7 59	2	15
17	18	16	17	17	16	12	15	14	14·3	10·7	13 40	29	0 30	2	16
15	14	14	15	14	15	14	14	15	13·2	8·8	14 56	27	7 1	3	17
14	14	15	15	14	14	14	14	14	13·8	8·5	12 17	27	3 10	3	18
15	15	14	14	15	14	13	13	11	14·2	8·7	15 8	38	4 30	3	19
12	11	10	11	11	12	11	10	13	11·7	7·0	19 45	31	14 40	0	20
15	15	20	17	12	14	17	16	16	15·0	9·5	17 40	38	1 15	1	21
16	14	13	12	11	11	11	12	11	15·1	9·5	2 10	38	12 54	1	22
9	9	10	8	8	7	7	6	7	10·0	6·4	2 24	24	12 27	2	23
10	10	8	9	12	11	11	11	12	8·9	7·0	9 30	21	10 7	1	24
12	12	11	13	13	13	14	14	14	12·1	8·6	12 32	24	14 50	2	25
16	16	15	15	14	13	11	11	11	14·1	8·5	11 25	27	21 20	2	26
10	9	10	11	11	11	9	9	9	11·5	8·6	0 36	28	0 57	1	27
8	9	9	12	10	8	9	10	7	9·0	7·1	6 10	24	9 25	1	28
8	2	3	10	12	5	2	3	2	5·1	4·0	19 20	21	3 58	0	29
9	10	9	5	6	6	5	5	4	6·0	4·5	16 47	15	1 40	0	30
9	8	9	8	8	9	7	7	7	7·3	5·4	17 20	15	3 18	1	31
12·7	12·5	12·4	12·3	12·1	11·4	11·2	11·4	11·5	12·3	8·3					Mean.

WIND VELOCITY, 1936.

(Averages for sixty minutes from full hour to full hour of local mean time.)

SEPTEMBER. (IN MILES PER HOUR.)

Date.	Hours (B. M. T.)														
	0—1	1—2	2—3	3—4	4—5	5—6	6—7	7—8	8—9	9—10	10—11	11—12	12—13	13—14	14—15
1	11	10	5	6	4	11	12	12	14	13	5	6	7	6	10
2	8	10	10	12	13	13	15	15	14	16	14	14	11	8	10
3	11	11	13	14	14	13	15	15	17	15	14	13	17	15	13
4	11	11	12	11	11	12	18	11	7	7	10	15	15	13	12
5	14	13	14	15	13	13	13	13	13	12	13	15	15	18	18
6	16	16	17	18	17	19	12	14	17	16	17	18	14	18	16
7	7	5	0	4	3	4	3	5	4	5	6	7	9	12	12
8	11	9	12	13	14	12	12	12	12	12	14	12	18	11	14
9	14	19	14	16	16	14	14	15	13	13	14	14	13	14	14
10	13	13	13	12	14	13	14	12	12	12	12	14	15	14	12
11	11	11	11	11	10	10	8	10	10	12	10	9	12	13	12
12	11	10	11	10	12	15	13	13	15	15	19	18	15	11	9
13	5	6	7	8	7	8	6	7	7	6	7	8	8	4	5
14	5	6	7	7	8	6	6	5	3	4	4	6	7	6	7
15	6	6	6	6	5	3	3	2	3	4	5	6	5	5	5
16	3	2	2	1	4	8	9	9	7	6	5	5	5	6	5
17	3	2	1	1	8	7	6	7	6	3	3	4	4	6	6
18	6	5	3	5	4	5	7	5	6	7	5	7	10	11	12
19	4	5	5	6	5	5	5	5	5	6	9	10	12	15	15
20	4	4	4	4	5	4	5	5	4	2	3	5	8	10	12
21	5	5	3	1	2	2	3	4	3	2	3	6	7	9	11
22	2	3	6	17	5	7	3	2	2	4	3	5	6	7	6
23	3	1	1	1	1	1	2	3	2	2	2	4	6	6	6
24	1	1	1	3	6	10	12	6	5	3	3	3	7	4	5
25	7	3	1	2	5	6	6	8	8	6	5	3	6	7	8
26	6	6	6	5	3	2	2	2	17	14	4	3	6	8	6
27	1	1	1	2	4	3	5	6	6	4	3	4	6	6	5
28	5	3	4	4	3	3	5	4	4	5	4	4	5	6	7
29	5	3	1	3	4	4	5	7	5	3	2	4	5	7	9
30	4	2	2	2	4	5	6	6	5	4	2	4	6	7	10
Mean . .	7·1	6·7	6·4	7·3	7·5	7·9	8·2	8·0	8·2	7·8	7·3	8·2	9·3	9·4	9·7

OCTOBER.

1	2	2	3	2	4	4	3	5	6	4	4	5	5	5	5
2	1	1	1	1	1	3	2	4	3	2	2	4	7	9	11
3	6	7	7	4	3	1	2	4	3	5	6	7	8	10	10
4	3	7	8	7	5	4	6	6	6	6	6	7	7	7	8
5	6	6	5	2	2	2	1	2	3	3	1	5	6	8	7
6	3	3	3	3	2	2	2	1	1	2	2	6	6	8	9
7	3	2	2	3	2	3	3	3	3	5	7	7	8	8	9
8	2	2	1	0	0	0	1	4	3	3	3	4	6	8	8
*9	3	3	3	3	2	2	2	4	6	3	8	9	9	10	10
10	5	5	4	4	3	3	2	3	3	4	6	7	7	7	9
11	3	2	2	3	3	2	1	2	2	4	7	8	8	8	9
12	0	1	1	2	2	2	2	4	5	6	2	4	7	9	10
13	3	3	2	2	3	1	2	1	2	1	3	6	7	8	9
14	0	0	0	1	1	0	1	3	4	5	4	2	6	8	9
15	2	3	4	5	7	6	5	3	7	6	4	5	4	6	8
16	2	3	4	4	7	6	8	8	8	6	5	3	2	4	10
17	2	1	4	4	3	2	3	1	3	2	2	4	7	10	10
18	5	5	5	4	6	7	4	5	4	3	3	2	5	8	10
19	7	6	4	6	8	10	10	9	8	5	3	4	3	6	7
20	6	3	4	5	5	6	6	6	5	4	3	5	6	9	8
21	4	6	6	4	7	5	5	6	7	5	3	4	4	6	8
22	3	3	5	3	1	1	4	5	6	5	2	2	4	6	9
23	3	3	4	4	6	8	6	2	4	4	2	1	4	9	12
24	3	8	8	9	10	10	8	7	8	5	1	1	4	7	8
25	1	1	2	4	4	4	2	3	2	2	3	3	4	9	13
26	1	1	4	5	6	5	2	1	2	4	3	1	4	6	10
27	2	2	4	3	3	2	2	3	5	5	3	3	5	5	10
28	5	4	7	6	10	10	9	7	5	2	3	6	8	7	9
29	10	10	9	7	5	6	4	2	3	3	6	5	8	11	17
30	7	7	5	3	4	4	5	5	3	2	3	7	7	9	10
31	3	4	4	5	5	7	7	8	8	6	5	5	5	8	12
Mean . .	3·4	3·7	4·0	3·8	4·2	4·1	3·9	4·1	4·5	3·9	3·7	4·6	5·8	7·7	9·5

(Averages for sixty minutes from full hour to full hour of local mean time.)

SEPTEMBER. (IN MILES PER HOUR.)

Hours (B. M. T.)									Mean.	Mean by R. Beckley's Anemograph.	Maximum.		Minimum.		Date.
15—16	16—17	17—18	18—19	19—20	20—21	21—22	22—23	23—24			Time.	Mag.	Time.	Mag.	
											H. M.		H. M.		
4	11	12	11	11	11	10	12	9	9·3	6·4	8 47	26	10 42	0	1
11	8	9	8	6	9	10	11	11	11·1	7·1	9 10	27	6 8	1	2
12	10	9	9	9	10	10	10	10	12·5	8·5	10 45	36	16 40	1	3
12	13	15	15	14	13	13	13	14	12·4	9·2	16 15	30	9 15	1	4
14	16	15	18	15	15	16	16	17	14·7	12·0	13 20	36	10 10	2	5
16	12	11	11	10	10	9	6	6	14·0	12.2	13 10	30	22 52	2	6
13	14	13	14	13	13	12	13	13	8·5	5·5	16 52	25	3 0	0	7
15	16	19	15	17	19	15	8	11	13·5	9·5	12 10	33	9 31	2	8
13	11	12	11	12	11	11	10	12	13·3	7·9	1 15	34	22 20	1	9
13	14	12	13	14	12	10	12	14	12·9	8·6	13 20	33	22 30	1	10
12	8	13	12	12	11	12	10	12	10·9	6·8	21 52	29	10 48	1	11
9	9	9	8	7	6	5	4	3	10·7	7·4	5 40	30	7 56	1	12
6	7	4	3	5	7	3	3	3	5·8	4·2	5 0	23	13 13	0	13
6	6	6	5	5	4	3	3	4	5·4	3.2	5 0	16	10 10	0	14
6	5	6	6	4	2	1	1	1	4·3	3.1	2 6	11	9 33	0	15
5	7	6	6	6	5	6	8	4	5·4	4·9	21 56	13	15 13	0	16
8	8	8	8	8	7	6	8	6	5·6	5·4	15 30	15	3 40	0	17
13	14	13	11	10	10	9	5	6	7·9	6·9	16 29	22	1 20	1	18
15	15	14	12	12	9	7	3	4	8·5	7·6	15 5	25	23 59	0	19
15	14	10	8	4	4	6	4	3	6·1	6·0	15 25	23	19 45	0	20
12	13	12	10	5	4	3	0	0	5·2	5·2	16 50	22	1 45	0	21
6	3	1	6	11	8	7	7	7	5·6	5·0	3 49	31	0 1	0	22
6	5	5	2	6	7	7	4	4	3·6	3·5	19 25	12	1 30	0	23
6	7	8	7	5	4	1	1	5	4·7	4·6	16 53	26	0 50	0	24
9	9	8	7	6	6	4	2	5	5·7	5·7	16 10	15	2 8	0	25
2	1	1	3	3	5	6	2	2	4·8	4·5	8 50	29	4 43	0	26
6	4	3	2	1	1	3	5	4	3.6	3·5	12 42	12	12 25	0	27
7	6	8	6	4	7	11	8	5	5·3	5·2	17 35	16	11 32	0	28
11	10	11	9	3	8	7	10	8	6·0	6·2	18 2	24	11 25	0	29
14	16	6	3	2	5	2	7	10	5·6	5·6	16 20	32	11 10	0	30
9·9	9·7	9·3	8·6	8·0	8·1	7·5	6·9	7·1	8·1	6·4					Mean.

OCTOBER.

9	8	7	7	5	5	4	3	0	4·5	4·9	15 50	13	0 50	0	1
13	13	10	7	6	7	7	7	6	5·3	5·5	16 29	20	0 2	0	2
10	9	9	9	8	5	4	1	1	5·8	6·0	14 45	16	5 15	0	3
8	8	8	9	6	5	5	6	5	6·4	6·0	15 53	14	10 43	0	4
7	8	7	8	6	5	5	3	3	4·6	4·9	16 13	14	7 15	0	5
8	7	7	7	7	6	4	3	3	4·4	4·9	13 50	14	7 3	0	6
8	8	7	5	3	1	2	3	3	4·5	5·2	14 12	13	9 5	0	7
9	8	6	5	4	3	3	4	4	3·8	4·3	15 35	14	2 35	0	8
9	8	7	5	6	7	7	5	5	5·7	5·7	.. ..	..	5 27	0	9*
8	7	7	7	5	3	2	2	4	4·9	5·5	14 10	15	8 50	0	10
10	9	8	7	7	6	5	4	1	5.0	5·4	15 27	17	7 45	0	11
10	9	10	8	7	6	5	5	4	5·0	5·3	15 0	16	0 20	0	12
10	10	12	9	7	5	5	6	4	5·0	5·5	17 28	19	7 22	0	13
8	7	8	7	6	5	4	2	2	3·9	4·4	16 50	15	0 1	0	14
9	8	7	7	5	2	1	2	1	4·9	5·3	8 58	15	0 3	0	15
10	10	7	6	3	2	1	5	4	5·3	5·5	14 35	18	11 47	0	16
10	9	8	10	8	7	7	6	5	5·3	5·3	14 32	19	0 15	0	17
8	7	8	7	7	4	2	4	5	5·3	5·5	14 25	17	8 30	0	18
10	10	7	7	5	2	3	1	3	6·0	5·9	15 32	16	12 22	0	19
8	7	6	6	3	3	2	2	3	5·0	5·6	13 42	15	2 35	0	20
8	7	6	6	4	0	1	0	1	4·7	5·0	15 52	14	3 10	0	21
8	10	10	10	6	3	4	2	0	4·7	5·0	16 40	17	0 52	0	22
10	10	11	15	15	13	6	2	1	6·5	6·5	18 30	27	3 40	0	23
8	7	6	6	6	5	2	1	1	5·8	6·3	1 31	16	0 25	0	24
14	14	11	6	3	5	2	1	1	4·7	5·0	15 31	26	0 25	0	25
9	8	8	7	4	2	2	1	2	4·1	3·8	14 42	17	0 50	0	26
14	16	13	12	10	8	3	3	7	6·0	5·3	16 9	27	1 20	0	27
10	13	14	14	12	7	5	7	8	7·8	7·3	17 8	23	9 15	0	28
16	12	11	12	10	7	5	3	5	7·8	6·3	14 15	25	11 45	0	29
10	8	8	9	8	9	6	4	2	6·0	4·8	14 45	17	2 57	1	30
13	13	12	11	10	9	4	4	0	7·0	5·7	16 35	21	12 20	0	31
9·7	9·3	8·6	8·1	6·5	5·1	3·8	3·3	3·0	5·3	5·4					Mean.

*The Dins's Anemograph was out of adjustment between 14 and 22 hrs. on this day. The hourly values from 14 to 22 hrs. have been obtained from Beckley's by applying the appropriate factor.

WIND VELOCITY, 1936.

(Averages for sixty minutes from full hour to full hour of local mean time.)

(IN MILES PER HOUR.)

NOVEMBER.

Date.	Hours (B. M. T.).														
	0—1	1—2	2—3	3—4	4—5	5—6	6—7	7—8	8—9	9—10	10—11	11—12	12—13	13—14	14—15
1	2	2	3	5	6	7	6	9	10	7	4	3	1	5	7
2	1	2	4	6	7	6	7	8	6	4	4	3	3	7	8
3	3	5	3	4	4	6	7	9	8	7	4	3	3	7	7
4	1	1	3	4	4	4	8	9	8	3	3	2	2	5	8
5	3	3	2	6	6	5	6	7	7	7	7	6	11	9	8
6	4	2	2	5	4	3	1	2	4	3	3	5	7	8	8
7	6	6	7	6	6	7	9	8	8	8	5	5	4	9	12
8	2	4	1	1	1	4	4	7	8	12	4	9	9	3	6
9	5	6	7	9	6	5	7	7	5	6	7	5	3	2	4
10	1	3	6	3	3	2	2	2	1	1	2	2	5	7	9
11	9	7	5	6	7	6	6	7	5	4	5	3	4	4	5
12	20	18	20	22	21	20	18	19	17	18	19	19	12	13	12
13	13	8	7	7	10	10	12	10	10	11	16	15	14	14	12
14	2	3	3	4	4	4	4	5	6	6	3	3	6	7	6
15	0	0	1	1	2	4	3	3	3	2	2	1	4	7	9
16	6	6	7	6	6	7	6	3	3	3	6	10	12	11	12
17	1	4	2	3	2	3	2	5	4	6	7	6	6	8	10
18	0	0	0	0	2	3	1	1	1	4	4	5	4	5	7
19	1	0	3	7	7	6	2	4	4	1	1	2	3	5	9
20	2	3	1	5	4	2	2	1	2	3	2	3	1	2	4
21	4	3	6	7	10	10	15	13	10	7	3	1	4	6	6
22	3	4	4	4	3	3	7	5	5	4	2	1	0	2	5
23	2	4	5	6	6	7	8	10	12	12	14	10	4	3	5
24	2	0	2	3	5	6	6	7	9	9	6	6	4	3	6
25	5	4	4	4	4	3	5	5	6	4	3	1	1	5	9
26	6	3	3	4	7	7	7	7	5	5	3	3	2	4	7
27	3	4	5	5	5	6	5	6	6	5	5	3	2	3	6
28	4	4	4	5	7	6	5	5	7	7	5	2	1	0	1
29	3	3	3	3	4	5	5	5	5	5	3	2	3	5	5
30	3	2	2	2	2	3	3	4	4	4	4	3	3	5	6
Mean . .	3·9	3·8	4·2	5·1	5·5	5·7	6·0	6·4	6·3	5·9	5·2	4·7	4·6	5·8	7·3

DECEMBER.

1	0	4	4	5	3	4	2	3	3	3	3	1	1	1	3
2	5	2	3	4	4	7	7	8	6	4	4	3	2	3	6
3	1	1	2	3	6	6	8	8	5	4	3	1	2	4	6
4	3	3	3	2	3	4	5	5	5	5	3	2	3	6	5
5	3	1	1	3	4	4	4	3	5	5	4	4	6	6	5
6	1	1	2	2	3	4	3	5	5	4	4	3	1	1	5
7	1	2	5	2	4	5	6	7	8	7	3	2	3	3	5
8	2	3	3	4	5	6	4	6	7	6	4	4	1	2	6
9	3	2	1	2	3	2	3	4	3	5	4	2	6	7	7
10	1	3	3	4	4	5	3	3	4	5	5	3	2	5	7
11	3	2	3	4	4	7	6	8	11	11	7	6	4	1	7
12	6	6	10	11	10	10	12	13	13	13	12	13	10	4	4
13	9	7	6	6	7	11	13	15	13	17	19	17	3	7	5
14	6	9	8	8	11	12	13	13	13	11	9	9	6	3	2
15	7	6	7	10	12	13	13	14	11	11	11	7	7	4	2
16	5	5	4	6	9	10	11	11	11	12	9	6	3	2	2
17	5	5	5	6	6	7	6	5	5	5	4	3	3	3	5
18	5	7	5	5	4	4	6	6	5	5	5	11	10	11	12
19	4	5	5	6	6	5	7	5	5	6	5	4	6	10	12
20	8	6	8	6	7	6	6	7	8	10	9	10	11	12	18
21	8	7	7	5	6	7	7	7	8	6	7	10	14	16	17
22	6	6	6	7	6	7	7	5	6	6	5	4	7	10	13
23	3	3	4	4	5	8	7	6	10	9	8	5	4	6	7
24	5	4	3	4	5	5	7	8	7	6	5	11	13	12	13
25	8	8	6	5	4	4	6	5	5	5	4	5	7	12	16
26	3	3	3	4	5	7	6	4	4	6	5	8	13	14	15
27	5	7	8	6	10	10	7	5	6	7	8	10	13	14	14
28	6	6	7	7	5	8	8	8	8	7	5	5	6	7	11
29	6	5	5	5	5	5	5	5	5	5	5	5	8	9	9
30	8	10	10	12	12	13	12	11	10	9	8	7	7	7	6
31	7	7	9	13	13	13	12	9	12	15	23	21	8	2	2
Mean . .	4·6	4·7	5·0	5·5	6·2	7·1	7·2	7·2	7·3	7·4	6·8	6·5	6·1	6·6	8·0

(Averages for sixty minutes from full hour to full hour of local mean time.)

(IN MILES PER HOUR.)

NOVEMBER.

Hours (B. M. T.).									Mean.	Mean by R. Beckley's Anemograph.	Maximum.		Minimum.		Date.
15—16	16—17	17—18	18—19	19—20	20—21	21—22	22—23	23—24			Time.	Mag.	Time.	Mag.	
											H. M.		H. M.		
9	8	8	9	9	6	5	2	2	5·6	4·7	15 9	17	0 1	0	1
7	7	7	8	9	5	1	3	2	5·2	4·7	14 55	13	0 30	0	2
8	9	11	11	10	8	7	4	2	6·3	5·5	17 50	17	2 30	0	3
11	13	9	7	5	1	0	3	3	4·9	4·3	16 3	20	0 58	0	4
5	7	7	9	8	9	11	9	7	6·9	5·7	21 57	18	0 33	0	5
11	11	12	10	10	8	8	5	6	5·9	5·5	16 58	19	1 40	0	6
12	11	11	9	7	7	5	3	1	7·2	6·3	14 50	20	23 25	0	7
6	6	7	8	12	9	12	9	9	6·4	6·0	20 2	30	2 12	0	8
7	7	8	8	9	8	2	21	2	6·5	6·0	22 22	42	0 1	0	9
7	6	4	3	11	6	2	5	7	4·2	4·2	19 53	22	0 28	0	10
6	7	4	11	11	13	13	12	17	7·4	7·2	23 45	25	11 55	0	11
13	18	12	12	11	12	12	14	14	16·1	14·7	15 55	33	18 48	5	12
9	9	7	6	4	5	3	3	4	9·1	8·6	10 40	21	21 26	1	13
6	5	4	2	1	1	1	1	0	3·6	3·9	13 35	14	11 31	0	14
9	9	8	7	4	4	5	6	6	4·2	4·8	15 32	16	0 1	0	15
12	13	12	10	4	4	5	2	1	7·0	6·8	15 59	20	8 13	0	16
9	9	8	6	3	2	1	0	2	4·5	5·2	14 30	17	0 1	0	17
10	10	9	5	1	1	4	3	1	3·4	4·0	15 35	17	0 1	0	18
8	5	5	3	5	3	2	1	2	3·7	4·3	14 30	13	0 0	0	19
5	7	6	5	3	2	2	2	4	3·0	3·8	16 45	12	2 35	0	20
6	6	5	6	6	8	7	4	5	6·6	6·8	6 45	21	1 10	0	21
6	7	11	10	11	9	5	3	1	4·8	4·9	17 53	18	11 12	0	22
7	10	9	10	8	8	4	3	3	7·1	7·4	10 15	18	13 15	0	23
6	5	6	9	7	7	4	3	4	5·2	5·3	18 55	15	1 11	0	24
11	10	5	6	7	6	3	3	3	4·9	4·8	15 6	16	12 20	0	25
8	9	11	10	8	11	5	3	1	5·8	6·0	20 28	18	1 32	0	26
7	8	9	11	10	7	6	3	2	5·5	5·0	18 30	16	1 0	0	27
5	7	7	7	6	5	3	2	3	4·5	4·6	16 15	11	12 15	0	28
5	5	7	8	8	7	3	3	1	4·4	4·3	18 24	12	11 50	0	29
8	8	9	9	8	7	6	4	1	4·6	4·6	18 4	14	1 47	0	30
8·0	8·4	7·9	7·8	7·2	6·3	4·9	4·6	3·9	5·8	5·7					Mean.

DECEMBER.

5	6	8	8	6	2	3	5	2	3·5	3·2	18 29	13	0 10	0	1
7	7	8	10	9	6	5	4	3	5·3	4·7	18 50	15	12 40	0	2
7	7	9	8	9	7	3	4	2	4·8	4·3	19 59	13	0 20	0	3
7	7	8	8	8	7	3	2	2	4·5	4·1	19 9	13	11 50	0	4
4	7	8	10	9	8	8	5	1	4·9	4·7	18 50	16	12 10	0	5
6	7	7	9	8	6	4	4	2	4·0	4·2	18 30	14	0 55	0	6
5	5	5	3	2	1	0	2	3	3·7	4·1	8 45	11	0 30	0	7
7	10	8	8	6	6	3	4	5	5·0	4·9	16 45	14	0 9	0	8
9	10	10	9	9	7	6	4	1	5·0	5·1	17 32	17	8 45	0	9
7	7	8	8	5	3	3	3	3	4·3	4·4	15 25	13	0 0	0	10
10	13	12	10	7	5	2	1	4	6·2	5·7	16 20	20	0 5	0	11
3	3	5	6	9	10	7	6	6	8·4	7·9	11 9	19	15 15	0	12
7	8	9	8	8	9	8	4	7	9·3	8·6	10 50	25	12 35	0	13
5	7	7	10	11	10	8	5	4	8·3	7·0	6 55	18	15 13	1	14
4	7	6	7	8	8	6	5	7	8·0	6·6	7 32	18	14 45	1	15
4	6	6	5	5	5	5	5	6	6·4	4·9	8 10	16	14 8	1	16
7	7	7	6	7	5	4	4	6	5·3	4·0	15 48	12	7 42	1	17
13	13	10	10	10	10	8	6	5	7·7	6·3	16 8	20	10 38	0	18
12	12	10	13	13	12	11	11	10	8·1	6·6	18 45	23	7 55	2	19
16	16	13	11	10	10	10	12	12	10·1	8·4	15 12	28	11 40	3	20
16	15	14	14	17	14	9	9	8	10·3	8·0	14 32	26	9 40	2	21
15	12	11	12	13	10	9	6	4	8·0	6·1	15 50	24	11 12	2	22
8	11	11	11	9	11	10	9	7	7·3	5·7	20 45	18	0 37	2	23
14	14	11	10	10	6	5	7	7	8·0	6·2	16 9	21	2 50	1	24
17	17	17	15	14	10	8	4	3	8·5	6·5	17 25	29	5 15	2	25
16	15	14	14	13	13	13	11	9	9·1	7·3	15 10	25	7 50	2	26
14	14	13	14	14	11	10	6	5	9·6	7·8	16 10	23	8 12	2	27
12	13	10	9	7	7	6	4	6	7·4	5·7	16 17	20	13 20	1	28
9	10	12	12	11	6	4	5	5	6·7	5·5	18 27	19	8 15	2	29
7	11	11	10	10	9	7	6	9	9·3	7·3	5 15	19	14 52	2	30
4	7	8	12	14	12	5	4	5	9·9	8·5	10 50	31	22 4	0	31
8·9	9·8	9·5	9·7	9·4	7·9	6·2	5·4	5·1	7·0	5·9					Mean.

DIRECTION OF WIND, 1936.

(Averages for sixty minutes from full hour to full hour of local mean time.)

JANUARY.

Date.	Hours (B.M.T.).											
	0—1	1—2	2—3	3—4	4—5	5—6	6—7	7—8	8—9	9—10	10—11	11—12
1	N	N	NE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	NNW	NNW
2	ESE	ESE	ESE	NE	ENE	ENE	ENE	ENE	ENE	ESE	SE	NW
3	NE	NNE	NNE	NNE	NNE	NE	NE	NNE	NNE	NE	ENE	NNW
4	N	N	N	NNE	NNE	NNE	NNE	NNE	NNE	N	N	NNW
5	NNW	N	N	N	NNE	ENE	ENE	NE	ENE	ENE	ENE	NNW
6	NNE	NNE	NNE	NNE	NNE	NNE	NE	ENE	ENE	NNW	NNW	NNW
7	NNE	NNE	NNE	NE	ENE	ENE	NE	ENE	NE	NNE	NNE	NNW
8	NNE	N	N	NNE	NNE	NNE	NNE	NNE	NNE	NE	NNW	NNW
9	ENE	N	NNE	NE	NE	ENE	ENE	ENE	ENE	ENE	ENE	ENE
10	ESE	ESE	ESE	ESE	NE	ENE	ENE	ENE	ENE	ENE	ENE	NW
11	ENE	ENE	ENE	NE	NNE	NE	NE	NE	ENE	ENE	ENE	ENE
12	NNE	NNE	NNE	NNE	NNE	NNE	NNE	NE	ENE	ENE	ENE	NW
13	N	N	N	N	N	N	NNE	NNE	ENE	ENE	NNW	NNW
14	NNW	NNW	N	NNW	N	NE	NNE	NNE	NE	ENE	ENE	NW
15	N	N	N	N	N	NNE	NNE	NNE	NNE	N	N	NNW
16	NNE	NNE	NNE	NNE	NNE	NNE	NNE	NE	NE	ENE	ENE	NNW
17	NNE	ESE	ESE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE
18	N	ESE	ESE	ESE	ESE	ENE	E	ENE	ENE	ENE	NE	E
19	SSW	WSW	WNW	NNE	E	ESE	E	ENE	E	ENE	ENE	ESE
20	NNE	NNE	NNE	N	ENE	ENE	ENE	E	E	ENE	ENE	WNW
21	N	N	N	NNE	NNE	NNE	NNE	NNE	N	N	N	NNW
22	N	NNW	NNW	N	N	NNE	NE	NE	ENE	ENE	Variable	NW
23	WNW	WSW	SSE	WNW	WNW	SE	ESE	ESE	SE	WNW	WNW	NW
24	NNE	NNE	NNE	NNE	NNE	NNE	NNE	NNE	NNE	NE	NE	N
25	NNE	NNE	NNE	NNE	NNE	NNE	NNE	NNE	NNE	ENE	ENE	ESE
26	NNE	NNE	NNE	NE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	NNW
27	NNE	NNE	NNE	NNE	NNE	NNE	ENE	ENE	ENE	ENE	ENE	N
28	NE	NE	NE	NNE	NE	NE	ENE	ESE	ESE	ESE	SE	SSW
29	WNW	WNW	NW	NW	NW	NW	ESE	ESE	ESE	SE	NW	WNW
30	NE	E	ESE	ESE	SE	SE	E	E	ESE	E	ESE	ESE
31	NE	ENE	NNE	NE	NE	ENE	NE	NE	NE	NE	ENE	ENE
Mean.	NNE	NNE	NNE	NNE	NE	NE	NE	ENE	ENE	NE	NE	NNW

FEBRUARY.

1	NE	ESE	E	E	E	E	E	ENE	ENE	ENE	ENE	WNW
2	ENE	E	ENE	NE	NE	ENE	ENE	NNE	N	N	N	NNW
3	N	NNE	NNE	NNE	NNE	ENE	ENE	ENE	ENE	ENE	ENE	ENE
4	N	N	NNE	NNE	N	NE	ENE	NE	ENE	E	ESE	NNW
5	NNE	NNE	NNE	NNE	NE	NE	NE	ENE	ENE	ENE	ENE	ENE
6	N	N	NNE	NNE	NNE	NE	NE	ESE	ESE	ESE	ESE	WNW
7	NNW	NNW	N	NNE	ESE	ESE	ENE	ENE	ENE	E	SE	NNW
8	ENE	NE	NE	NE	NNE	NNE	NE	ENE	ENE	ENE	ENE	NNW
9	NE	NNE	NE	NE	NNE	NE	NE	NE	ENE	ENE	ENE	NE
10	NNE	NNE	E	E	ENE	ENE	ENE	ENE	NE	ENE	ENE	ESE
11	WSW	SSW	SSW	SSE	S	SW	SE	SSE	SE	ESE	SW	SW
12	ESE	SE	SSE	SSE	SE	E	E	ENE	E	E	E	SE
13	NW	NNW	NNW	SE	SE	NE	E	ESE	SE	SSE	SSW	W
14	SE	Calm	Calm	NE	NE	ENE	E	E	ESE	SE	SE	S
15	NE	ENE	SSE	SSE	SSE	SSE	S	SSE	SSE	SSE	SW	W
16	NNW	NNW	NNW	N	NNE	ENE	E	ENE	ENE	ESE	NNW	NNW
17	NNW	NNW	NNW	NNE	NE	ENE	ENE	ENE	ENE	ENE	ENE	NW
18	NNW	NNW	NNE	NNE	NNE	NNE	NNE	NE	NE	NE	NNW	NNW
19	NNW	NNW	NNE	NNE	NNE	NNE	NNE	NE	NE	N	NNW	NNW
20	NNW	NE	NE	NNE	NE	NE	NE	NE	ENE	ENE	NE	NW
21	NNE	NNE	N	N	N	N	NNE	NE	NE	N	E	NW
22	N	N	NNW	NNW	NNW	NNW	N	NE	ENE	E	SE	SSW
23	NW	NNW	ESE	ESE	ESE	ESE	E	E	ESE	ESE	ESE	variable
24	N	N	N	NNE	NNE	NNE	NNE	ENE	ENE	ENE	N	NNW
25	N	N	N	NNE	NNE	NNE	NNE	NNE	ENE	NE	N	NNW
26	NNE	N	N	NNW	NNW	NNE	NNE	NNE	NE	ENE	ENE	WNW
27	NW	NW	WNW	SE	SE	SE	ENE	SSE	ESE	ESE	N	NW
28	NNW	SE	SE	NNE	NE	E	E	ESE	SE	ESE	ESE	NW
29	NE	ENE	ENE	NNE	NNE	NNE	NE	ENE	ENE	N	NNW	NNW
Mean.	N	NNE	NNE	NE	NE	NE	ENE	ENE	ENE	ENE	NE	NW

DIRECTION OF WIND, 1936.

(Averages for sixty minutes from full hour to full hour of local mean time.)

JANUARY.

Hours (B. M. T.).												Mean.	Date.
12—13	13—14	14—15	15—16	16—17	17—18	18—19	19—20	20—21	21—22	22—23	23—24		
NW	NW	WNW	WNW	WNW	NW	NW	NNW	N	N	N	SE	N	1
NW	NW	NNW	NNW	NNW	NNW	NNW	NNW	N	NNW	NNW	N	N	2
NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	N	N	N	N	N	3
NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	N	4
NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	N	N	5
NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNE	NNE	NNE	N	6
NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	N	N	NNE	NNE	N	7
NNW	NNW	NNW	NNW	WNW	NNW	NNW	N	N	NNE	N	N	N	8
WNW	WNW	WNW	WNW	NW	NNW	NNW	NNW	NNE	NNE	N	N	N	9
NNW	NNW	NNW	NW	NNW	NNW	NNW	NNW	NNW	N	NNE	E	N	10
WNW	NW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	N	N	N	N	11
NW	NNW	NNW	NNW	NNW	NNW	NNW	N	N	NNE	N	N	N	12
NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	N	N	NNW	NNW	N	13
NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	N	NNE	NNW	14
NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	N	NNE	NNE	N	15
NNW	NNW	NNW	NNW	NNW	NNW	NNW	N	N	N	N	N	N	16
NNW	NW	NW	NW	NNW	NNW	NNW	NNW	NNW	NNW	N	N	N	17
W	W	WNW	WNW	NW	NNW	NNW	NNW	N	N	N	NE	NNE	18
SSW	WSW	WNW	WNW	WNW	WNW	W	WSW	W	WNW	NW	NNE	WNW	19
WNW	WNW	WNW	WNW	WNW	WNW	NW	NW	NNW	NNE	NE	NE	NE	20
NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	N	N	N	NNW	21
NW	WNW	WNW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	22
NW	NW	NNW	NNW	NNW	NNW	NNW	N	N	N	N	NNE	NNW	23
NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	N	N	NNE	NNE	N	24
NW	NW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNE	NNE	N	25
NNW	NNW	NNW	N	N	N	N	N	N	NNE	NNE	NNE	N	26
N	NNW	NNW	NNW	NNW	NNW	N	N	N	NNE	NNE	NNE	N	27
SSW	SW	W	W	WSW	W	WNW	WNW	WNW	WNW	W	WNW	WNW	28
NW	NW	NW	NW	NW	NW	NNW	NNW	NNW	NNW	NNW	NNE	NNW	29
NW	NW	NW	NW	NW	NNW	NNW	NNW	NNW	N	NE	NE	NNE	30
ENE	NNW	NNW	N	N	N	N	N	N	N	N	NNE	NNE	31
NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	N	N	N	N	Mean.

FEBRUARY.

WNW	NW	NW	NW	NNW	NNW	N	N	N	NNE	NNE	NNE	NNE	1
NNW	N	N	N	N	N	N	N	N	N	N	N	N	2
NNW	NNW	NNW	NNW	N	N	N	N	N	N	N	N	N	3
NNW	NNW	NNW	NNW	NNW	NNW	N	N	NNE	NE	NNE	NNE	N	4
NNW	NNW	NNW	N	N	N	N	N	N	N	N	N	NNE	5
WNW	W	W	WNW	WNW	WNW	WNW	W	W	WNW	NNW	NNW	N	6
NNW	NW	NNW	NNW	NW	NNW	NNW	NNW	N	N	N	NE	N	7
NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	N	NNE	NNE	NE	N	8
NE	NNW	NNW	NNW	N	N	N	N	N	N	NNE	NNE	NNE	9
NNW	NNW	N	N	N	N	N	N	N	SW	WNW	WSW	NNE	10
WSW	WSW	W	WNW	WNW	WNW	W	WSW	W	NNW	E	ESE	SW	11
WNW	WNW	WNW	WNW	WNW	WNW	WNW	NW	NW	NW	NNW	NNW	NNW	12
WNW	W	WNW	NW	WNW	NW	NW	NW	SW	SW	Calm	SE	W	13
WNW	WNW	NW	NW	NW	NW	NNW	NNW	NNW	N	N	N	NNW	14
WNW	NW	NW	NW	NW	NW	NNW	NNW	NNW	NNW	NNW	NNW	NW	15
NW	NW	NW	NW	NW	WNW	WNW	NW	NW	NW	NW	NW	NW	16
WNW	WNW	WNW	WNW	NW	NW	NW	NW	NW	NW	NNW	NNW	NNW	17
NW	NW	NW	NW	NW	NW	NW	NNW	NNW	NNW	NNW	NNW	NNW	18
NW	NW	NW	NW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	19
NW	NW	NW	NW	NW	NW	NW	NW	NNW	NNW	NNW	N	NNW	20
NW	NW	NW	NW	NW	NNW	NNW	NNW	NNW	NNW	NNW	N	NNW	21
W	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	W	W	WNW	NNW	22
WNW	WNW	WNW	WNW	NW	NW	NW	NW	NNW	NNW	NNW	N	NNW	23
NW	NW	NW	NW	NW	NW	NNW	NNW	N	NNE	NNE	NNE	NNW	24
NNW	NNW	NW	NW	NW	NNW	NNW	NNW	NNW	NNW	N	NNE	NNW	25
WNW	WNW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NNW	26
NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NNW	NW	27
NW	NW	NW	NW	NNW	NW	NNW	NNW	NNW	NNW	N	NE	NNW	28
NW	NW	NW	NW	NW	NW	NW	NW	NW	NNW	NNW	NW	NNW	29
NW	NW	NW	NW	NW	NNW	NNW	NNW	NNW	NNW	N	N	NNW	Mean.

DIRECTION OF WIND, 1936.

(Averages for sixty minutes from full hour to full hour of local mean time.)

MARCH.

Date.	Hours (B. M. T.).											
	0—1	1—2	2—3	3—4	4—5	5—6	6—7	7—8	8—9	9—10	10—11	11—12
1	NW	NW	NW	SE	ESE	ESE	ESE	ESE	ESE	ESE	SSE	NW
2	N	N	N	N	N	NNE	NNE	NNE	NNE	N	N	NNW
3	NNE	NNE	NNE	NNE	NNE	NNE	NNE	NNE	NNE	NNE	NNW	NNW
4	N	N	N	NNE	N	N	N	NNE	N	NNW	NNW	NNW
5	N	N	N	NNE	NNE	SE	ESE	ENE	E	ENE	NW	NW
6	ESE	ESE	NNW	NNW	ESE	ESE	ESE	SE	SSE	SSW	SSW	SW
7	SSW	S	SSE	SSE	S	W	WNW	SE	SE	S	W	W
8	NNW	N	N	NNE	NNE	NNE	NNE	NNE	N	N	N	NNW
9	NNW	NNW	NNW	N	N	N	NNE	NNE	NNE	N	N	NNW
10	NNW	NNW	N	NNE	ENE	ENE	NE	NE	N	NE	N	NNW
11	NNE	N	N	N	NNE	NNE	NNE	NNE	NNE	N	NNW	NNW
12	N	NNE	NE	ENE	NE	NE	NE	ENE	ENE	NE	ENE	ENE
13	ESE	E	ESE	ESE	ENE	ENE	NE	NE	ENE	ENE	NW	NNW
14	Calm	E	NNE	NNE	NNE	NNE	ENE	ESE	ENE	NE	ENE	WNW
15	N	N	Calm	N	N	NNE	E	ENE	NE	ENE	NW	NW
16	ESE	ESE	NNW	ENE	ENE	NNE	NNE	N	N	N	NNW	NNW
17	N	N	N	N	N	NNE	NE	ENE	ENE	ENE	NNW	NNW
18	N	N	Calm	Calm	SE	SE	ESE	SE	SSW	SW	S V	SW
19	S	S	WSW	WSW	SW	WSW	SW	SE	SE	SE	SSW	WSW
20	SSW	WNW	W	SSW	SE	SE	SE	SE	SE	SSE	SW	SW
21	NNW	NNW	N	NNE	NNE	NNE	NE	NE	ENE	ENE	ENE	Variable
22	NNW	NNW	N	NNE	NNE	NNE	NE	NE	N	N	NNW	NNW
23	NNW	N	NNE	NNE	NNE	NNE	NNE	NNE	NNE	NNW	NNW	NW
24	NNW	NNW	NNW	NNW	Calm	Calm	N	NE	E	NNE	NW	NW
25	SW	SSW	SW	SE	SE	SE	SSE	SSE	S	SSW	SW	WSW
26	WNW	NW	NNW	ENE	ESE	NNW	N	N	N	NNW	NNW	NNW
27	NNE	N	N	NNE	N	N	N	N	N	N	NNW	WNW
28	N	N	N	NNW	NNW	N	N	N	N	NW	NW	NNW
29	NNW	N	NNW	NNW	NNW	N	SE	S	WNW	WNW	WNW	WNW
30	NW	NW	NW	NW	WNW	WNW	NW	N	N	NNW	NNW	NNW
31	N	N	N	N	NE	NNE	ENE	ENE	ENE	E	WNW	NW
Mean.	N	N	N	NNE	NNE	NNE	NE	NE	NE	NNE	NNW	NW

APRIL.

1	N	N	NE	NNE	NNE	ENE	ENE	ENE	E	SSE	S	WNW
2	NNW	N	N	NE	NNE	NE	Calm	Calm	Calm	SSW	W	WNW
3	SSW	SW	WNW	Calm	Calm	SE	ESE	ESE	SE	SSE	W	NW
4	SW	WSW	W	WNW	WNW	Calm	SE	SE	SE	SSW	SW	SW
5	WSW	WSW	W	W	W	WSW	SW	SW	SW	SW	SW	SW
6	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW
7	WNW	WNW	WNW	NW	NW	NW	NNW	NNW	NW	WNW	WNW	WSW
8	NNW	NNW	NNE	NNE	NNE	NNE	NNE	N	N	NNW	NNW	NW
9	N	N	N	N	N	N	N	N	N	N	NNW	NNW
10	NNE	NNE	NNE	NNE	NNE	NNE	NNE	NNE	N	N	N	NNW
11	NNW	NNW	N	NNE	NNE	NNE	NNE	NE	N	N	N	NNW
12	NNW	NNW	NNW	NNW	N	N	N	N	N	NNW	NW	NW
13	NNW	NNW	NNW	NNW	N	NNE	NE	ENE	ENE	Variable.	WNW	WNW
14	WSW	WSW	SW	SSW	S	SE	SE	SSE	SSW	SW	SW	SW
15	SW	WSW	W	S	SSE	SE	SE	SE	SE	SE	SW	W
16	N	NNE	NE	E	ENE	ENE	ENE	SSE	SSW	SW	SW	W
17	N	Calm	N	N	N	N	ESE	SSE	SSW	SW	WSW	WNW
18	N	N	NNE	NE	NE	N	Calm	SSW	SSW	W	W	W
19	SSW	SSW	SSW	S	S	S	S	S	SSW	SW	SW	W
20	W	WSW	SW	SSW	SW	SW	SSW	S	SW	W	W	W
21	N	NNE	NE	NE	NNE	NNE	NNE	N	NNW	NNW	NNW	NW
22	N	N	N	NE	NE	NNE	NNE	NNE	N	NNW	NW	NW
23	N	N	NNE	Calm	NE	NE	NE	SE	SSE	SW	W	WNW
24	Calm	Calm	Calm	Calm	Calm	Calm	SE	SSE	W	NW	WNW	WNW
25	NNW	NW	NW	NNW	NNW	N	N	NNW	NNW	WNW	WNW	WNW
26	NNW	NNW	N	N	N	N	Calm	Calm	Calm	Calm	NW	NW
27	NNW	NNW	NNW	N	N	NNE	NE	NE	E	Variable.	NW	NW
28	NNW	NNW	NNW	N	N	NNE	NNE	NNE	NNE	NNW	NNW	NNW
29	NNW	NNW	NNW	NNW	N	N	NNE	N	N	NNW	NNW	NNW
30	N	N	N	NNE	NNE	NNE	N	N	NNW	NNW	NW	NW
Mean.	NNW	NNW	NNW	N	N	NNE	ENE	ENE	NNW	NW	WNW	WNW

DIRECTION OF WIND, 1936.

(Averages for sixty minutes from full hour to full hour of local mean time.)

MARCH.

Hours, (B. M. T.).												Mean.	Date.
12—13	13—14	14—15	15—16	16—17	17—18	18—19	19—20	20—21	21—22	22—23	23—24		
WNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	N	N	NNW	N	1
NNW	NNW	NNW	NNW	NNW	NNW	NNW	N	N	N	N	N	N	2
NNW	NNW	NNW	NNW	NNW	NNW	NNW	N	N	N	N	N	N	3
NNW	NNW	N	NNW	N	N	N	NNE	NNE	NNE	N	N	N	4
NW	NW	NW	NW	NW	NNW	NNW	N	NE	ENE	ESE	ESE	NNW	5
SW	WSW	W	W	WNW	NW	NNW	WNW	SSE	S	SSW	SSW	SW	6
W	WNW	WNW	WNW	NW	NW	NNW	NNW	NNW	NNW	NNW	NNW	WNW	7
NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	8
NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	9
NNW	NNW	NNW	NNW	NNW	NNW	NNW	N	N	NNE	NNE	NNE	N	10
NNW	NW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	11
NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NNW	NNW	NNW	12
WNW	WNW	WNW	WNW	WNW	NW	NW	NW	NW	SSW	WSW	WSW	NW	13
WSW	W	W	W	W	WNW	WNW	WNW	WSW	SW	WSW	SW	WSW	14
W	W	WNW	WNW	NW	NW	NW	NNW	Calm	N	NNW	NNW	WNW	15
WNW	WNW	WNW	WNW	NW	NW	NW	NNW	NNW	NNW	NNW	N	NW	16
NW	NW	NW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	N	N	NNW	17
WNW	WNW	WNW	WNW	NW	NW	NW	W	WSW	SW	SW	SSW	WNW	18
W	WNW	WNW	NW	NNW	NNW	NNW	NNW	NNW	NW	W	WNW	WSW	19
WNW	WNW	WNW	NW	NW	NW	NNW	NNW	NNW	NNW	N	N	NW	20
NW	NW	NW	NW	NW	NW	NW	NW	NNW	NNW	NNW	NNW	NNW	21
NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NNW	NNW	NNW	22
WNW	WNW	WNW	WNW	WNW	NW	NW	NW	NW	NW	Calm	Calm	WNW	23
WNW	NW	NW	NW	NW	NW	NW	NW	NNW	NNW	N	N	W	24
NW	NW	NW	NW	NW	NW	NW	NW	NNW	NNW	NNW	NNW	NW	25
NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NNW	NW	26
NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NNW	NW	27
NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	28
NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	29
NW	NW	NW	NW	NW	NW	NW	NNW	NNW	NNW	NNW	NNW	NNW	30
NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	Mean.

APRIL.

NW	NW	NW	NW	NW	NW	WNW	WNW	WNW	NW	NNW	NNW	NNW	1
WNW	WNW	WNW	WNW	WNW	WNW	NW	NW	NW	NW	W	WSW	WNW	2
NW	NW	NW	NW	NW	NW	NW	NW	NW	Calm	Calm	SW	NW	3
SW	WSW	WSW	WSW	WSW	WSW	SW	SW	SW	SW	SW	WSW	SW	4
WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	5
W	W	W	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	W	6
W	W	WNW	WNW	WNW	WNW	WNW	NW	NNW	NNW	NNW	NNW	NW	7
NW	NW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	8
NNW	NNW	NNW	NNW	NNW	NNW	N	N	N	N	N	N	N	9
NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	N	10
NNW	NW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	11
NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NNW	NNW	NNW	12
WNW	WNW	WNW	WNW	WNW	NW	NW	NW	NW	SSW	WSW	WSW	NW	13
WSW	W	W	W	W	WNW	WNW	WNW	WSW	SW	WSW	SW	WSW	14
W	W	WNW	WNW	NW	NW	NW	NNW	Calm	N	NNW	NNW	WNW	15
WNW	WNW	WNW	WNW	NW	NW	NW	NNW	NNW	NNW	NNW	N	NW	16
NW	NW	NW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	N	N	NNW	17
WNW	WNW	WNW	WNW	NW	NW	NW	W	WSW	SW	SW	SSW	WNW	18
W	WNW	WNW	NW	NNW	NNW	NNW	NNW	NNW	NW	W	WNW	WSW	19
WNW	WNW	WNW	NW	NW	NW	NNW	NNW	NNW	NNW	N	N	NW	20
NW	NW	NW	NW	NW	NW	NW	NW	NNW	NNW	NNW	NNW	NNW	21
NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NNW	NNW	NNW	22
WNW	WNW	WNW	WNW	WNW	NW	NW	NW	NW	NW	Calm	Calm	WNW	23
WNW	NW	NW	NW	NW	NW	NW	NW	NNW	NNW	N	N	W	24
NW	NW	NW	NW	NW	NW	NW	NW	NNW	NNW	NNW	NNW	NW	25
NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NNW	NW	26
NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NNW	NW	27
NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	28
NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	29
NW	NW	NW	NW	NW	NW	NW	NNW	NNW	NNW	NNW	NNW	NNW	30
NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NNW	NNW	NW	Mean.

DIRECTION OF WIND, 1936.

(Averages for sixty minutes from full hour to full hour of local mean time.)

MAY.

Date.	Hours (B. M. T.).											
	0—1	1—2	2—3	3—4	4—5	5—6	6—7	7—8	8—9	9—10	10—11	11—12
1	NNE	NE	NNE	NNE	WSW	WSW	WSW	WSW	WSW	WNW	WNW	NW
2	NW	NNW	NNW	WSW	WSW	WSW	WSW	SSW	SSW	WSW	W	WNW
3	NW	WSW	SSW	SW	SW	SW	SW	SW	SW	WSW	W	W
4	NNW	NNW	N	NNE	NE	NE	NE	NW	NW	NW	NW	WNW
5	N	N	NE	NE	NE	ENE	Calm	S	SSW	SW	WNW	WNW
6	N	N	N	NE	NE	NE	N	N	NNW	NW	WNW	WNW
7	NNW	NNW	NNW	Calm	Calm	Calm	Calm	SSW	SSW	SSW	SW	WSW
8	NNW	NNW	NNW	NNW	NNE	NNE	E	ESE	SE	SSE	SW	W
9	N	NE	NE	NE	NE	NE	NNE	WSW	WSW	SW	SW	WSW
10	WSW	Calm	Calm	SW	SSW	SSW	SW	SW	S	WSW	W	W
11	NNW	NNW	Calm	SW	SSW	SSW	SSE	S	SSW	SSW	SSW	SSW
12	NW	NW	NNW	NNW	NNW	Calm	Calm	Calm	SSW	SSW	SSW	SSW
13	WSW	SW	WSW	WSW	SW	SSW	S	SSE	S	S	SSW	SSW
14	SW	SW	SSW	SSW	WSW	WSW	SSW	SSW	SSW	SSW	SSW	SSW
15	WSW	WSW	SSW	SW	SW	SSW	SSW	SSW	SSW	SSW	SSW	SSW
16	SW	SSW	SSE	SSE	S	SSW	SSW	SE	S	SSW	SW	WSW
17	SSW	SW	WSW	W	W	W	SSE	SSE	ESE	SSE	SW	WSW
18	W	WNW	WNW	WNW	W	WSW	W	NW	NW	WNW	WNW	W
19	WNW	NW	NNW	N	N	NNE	ENE	WNW	NNW	NNW	NW	WNW
20	NW	NNW	NNW	NNW	NNW	NW	NNW	NNW	NNW	NNW	NW	NW
21	NW	NW	NW	NNW	NNW	NNW	NNW	NNW	NNW	NW	NW	NW
22	WNW	WNW	WNW	WNW	NW	NW	NW	NW	WNW	WNW	WNW	WNW
23	WNW	WNW	W	WSW	WSW	WSW	WSW	WSW	WSW	WSW	W	WSW
24	WSW	WSW	WSW	WSW	W	WSW	WSW	WSW	WSW	WSW	WSW	WSW
25	WSW	W	WNW	WNW	WNW	WNW	N	W	W	WSW	W	W
26	SW	SW	SW	SW	SW	SW	SW	WSW	WSW	WSW	WNW	WNW
27	WSW	W	W	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW
28	WNW	W	W	WNW	WNW	WNW	WNW	WNW	WNW	W	W	W
29	SW	SW	WSW	WSW	WSW	WSW	WSW	WSW	SW	SW	SW	WSW
30	SSW	SSW	SSW	SSW	SSW	SSW	SW	WSW	SW	SW	SW	SW
31	SW	WSW	WSW	SSE	S	SSW	S	SSW	SW	SW	SSW	SW
Mean.	W	WNW	W	W	WSW	WSW	SW		SW	WSW	WSW	W

JUNE.

1	WSW	WSW	WNW	W	WSW	W	WSW	WSW	WSW	WSW	W	W
2	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	W	W
3	W	W	W	W	W	WSW	WSW	W	WSW	WSW	WSW	W
4	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	SW	SW	SW
5	WSW	SW	WSW	SW	SSW	SW	SW	SW	SSW	SSW	W	WSW
6	WSW	WSW	WSW	WSW	WSW	WSW	WSW	SSW	WSW	WSW	WSW	WSW
7	WSW	W	W	W	W	W	W	W	WNW	W	WSW	W
8	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	SW	WSW	WSW	WSW
9	WSW	WSW	WSW	WSW	WSW	NNW	W	WNW	W	W	WNW	WNW
10	W	W	W	W	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW
11	W	W	W	W	W	WNW	WNW	W	W	Variable	W	W
12	NW	ESE	ESE	E	WSW	S	SSW	SSW	SE	ESE	SSW	WSW
13	W	WNW	WSW	SW	SW	SSW	SE	SE	S	S	SSW	SSW
14	WNW	WNW	NW	WNW	WSW	W	WNW	NNW	SW	ESE	ESE	WSW
15	W	W	W	W	WSW	W	W	W	WNW	W	W	W
16	W	WNW	WNW	WNW	WNW	W	W	W	WNW	W	WNW	W
17	W	W	W	WNW	WNW	WSW	WSW	WSW	SW	WSW	SSW	SSW
18	SW	SW	SW	SW	WSW	S	SSE	SSE	S	S	S	SSW
19	S	S	SSE	SSE	SE	SSW	S	S	S	SSW	SSW	SSW
20	SW	SSW	SW	SW	SW	SW	SW	SSW	SSW	SSW	SW	SW
21	WSW	WSW	WSW	SW	SW	SSW	SSW	WSW	S	S	S	SSW
22	WNW	WNW	NW	NNW	WNW	WNW	WNW	WNW	W	WNW	NW	W
23	SW	SSW	SSW	SSW	SW	WSW	SW	SW	SW	SW	SW	SSW
24	WSW	WSW	SW	WSW	W	WNW	WNW	WNW	WNW	WNW	NW	NNW
25	W	WNW	WNW	WNW	W	WSW	WSW	WSW	W	W	WSW	WNW
26	WSW	WNW	WSW	WNW	WNW	WNW	W	WSW	WNW	WNW	W	W
27	WNW	WNW	WNW	WNW	WNW	W	WSW	WSW	NNE	N	N	NNE
28	S	SSW	WSW	W	WNW	WNW	SSW	WSW	SW	WSW	SW	WSW
29	WSW	W	W	W	W	W	W	W	W	W	W	W
30	WSW	WSW	W	W	WSW	W	WSW	W	WSW	W	W	W
Mean.	WSW	WSW	W	W	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW

(Averages for sixty minutes from full hour to full hour of local mean time.)

MAY.

Hours (B. M. T.).												Mean.	Date.
12—13	13—14	14—15	15—16	16—17	17—18	18—19	19—20	20—21	21—22	22—23	23—24		
NW	NW	NW	NW	NW	NW	NW	NW	NNW	NNW	NW	NW	NW	1
WNW	WNW	WNW	NW	NW	NW	NW	NW	NW	NW	NW	NNW	WNW	2
W	W	WNW	WNW	WNW	NW	NW	NW	WNW	WNW	NW	NW	W	3
WNW	WNW	NW	NW	NW	NW	NW	NW	NNW	NNW	NNW	NW	NW	4
NW	NW	NW	NW	NW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	5
WNW	WNW	WNW	WNW	WNW	WNW	NW	NW	NNW	NNW	NNW	NNW	NW	6
WSW	WSW	WSW	W	WSW	W	W	W	WNW	WNW	WNW	NW	W	7
WNW	WNW	WNW	WNW	NW	NW	NW	NNW	NNW	NNW	NNW	N	NW	8
W	WNW	WNW	WNW	NW	NW	NNW	NNW	NNW	NNW	NNW	WSW	NW	9
W	W	W	WNW	WNW	WNW	NW	NW	NW	NNW	NNW	NNW	WNW	10
SW	WSW	WSW	W	W	WNW	WNW	WNW	WNW	WNW	WNW	NW	SW	11
SW	SW	SW	SW	SW	SW	WSW	WSW	WSW	SW	SW	SW	SW	12
SW	SW	SW	SW	SW	SW	SW	SW	WSW	WSW	WSW	WSW	SSW	13
SW	SW	SW	SW	SW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	SW	14
SW	SW	SW	WSW	WSW	W	W	W	W	Calm	Calm	SW	SW	15
W	WNW	WNW	WNW	NW	NNW	NNW	NNW	NNW	WNW	Calm	SSW	WSW	16
WSW	WSW	W	W	W	NW	NNW	NW	NW	NW	WNW	WNW	W	17
W	WSW	WSW	WSW	WSW	W	W	WNW	WNW	WNW	WNW	WNW	W	18
NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NNW	NNW	NW	19
WNW	WNW	NW	WNW	NW	NW	NW	NW	NW	NW	NW	NW	NW	20
NNW	NNW	NNW	NNW	NW	NW	NW	NNW	NNW	NNW	NW	WNW	NNW	21
WNW	WNW	WNW	WNW	WNW	NW	NW	WNW	WNW	WNW	WNW	WNW	WNW	22
W	WSW	WSW	W	WSW	W	W	WSW	WSW	WSW	WSW	SW	WSW	23
WSW	WSW	W	W	W	W	WSW	WSW	WSW	W	WSW	WSW	WSW	24
W	WNW	WNW	WNW	WNW	WNW	WSW	WSW	WSW	SW	SW	SW	W	25
WNW	WNW	WNW	WNW	WNW	NW	NW	NW	WSW	WSW	WSW	WSW	W	26
NW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	W	WNW	27
WNW	W	W	W	WSW	WNW	WSW	WSW	SW	SW	SW	SW	W	28
WSW	WSW	WSW	WSW	SW	WSW	WSW	WSW	SW	SW	SSW	SSW	SW	29
SW	SW	SW	SW	SW	WSW	WSW	SW	SSW	SSW	SW	SW	SW	30
SW	WSW	W	WSW	WSW	WSW	WSW	WSW	WSW	WSW	SW	WSW	SW	31
W	W	W	WNW	WNW	WNW	WNW	WNW	WNW	WNW	W	W	W	Mean.

JUNE.

WSW	W	WSW	WSW	WSW	WSW	WSW	W	WSW	WSW	WSW	WSW	WSW	1
WSW	WSW	W	W	W	W	W	WSW	WSW	W-W	WSW	WSW	WSW	2
WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	3
WSW	WSW	SW	WSW	SSW	SSW	SW	SSW	SSW	SSW	SW	SW	SW	4
WSW	WSW	WSW	W	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	5
WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	6
WSW	WSW	WSW	W	WSW	WSW	W	WSW	WSW	WSW	SW	WSW	W	7
WSW	SW	SW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	8
WNW	NW	NW	NW	NW	WNW	WNW	WNW	WNW	WNW	W	W	WNW	9
WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	W	W	W	WNW	10
WNW	WNW	WNW	WNW	NW	WNW	WNW	WNW	WNW	W	SSW	WSW	W	11
WSW	W	W	WSW	W	W	WSW	WSW	WSW	SSW	SSW	SW	SW	12
SSW	SSW	SW	WSW	NW	WNW	WSW	SW	WNW	SSW	SW	WNW	SW	13
WNW	WNW	WNW	WNW	WNW	W	WNW	W	W	W	W	W	WNW	14
W	W	W	W	W	W	WNW	WNW	WNW	WNW	W	WNW	W	15
W	W	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	W	W	16
SSW	SSW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	WSW	17
SSW	SW	SSW	SSW	SSW	SSW	SSW	SW	SW	SW	SW	SSW	SSW	18
SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SSW	19
SW	SW	SW	SW	WSW	WSW	WSW	SW	SW	SW	SW	WSW	SW	20
SSW	SSW	SSW	SSW	SSW	SSW	SSW	SW	WSW	W	W	WSW	SSW	21
WSW	WNW	WNW	WNW	W	WNW	WNW	WNW	WNW	SW	WSW	WSW	WNW	22
SSW	SSW	SSW	WSW	WSW	WSW	WSW	SW	SW	SW	SW	SW	SW	23
W	WSW	WSW	W	W	W	W	W	W	W	W	WSW	W	24
W	W	WSW	W	W	W	WNW	WNW	WNW	WNW	WSW	W	W	25
WSW	WSW	WSW	WNW	WNW	W	W	WSW	WSW	W	WNW	WNW	W	26
W	WSW	WSW	WSW	NNW	NW	WNW	SW	S	SSW	SE	SSE	W	27
SSW	SSW	WNW	WNW	WNW	WNW	W	W	WSW	WSW	W	W	WSW	28
W	W	W	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	W	29
W	W	W	W	WNW	W	WSW	WSW	WSW	WSW	WSW	WSW	W	30
WSW	WSW	WSW	W	W	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	Mean.

DIRECTION OF WIND, 1936.

(Averages for sixty minutes from full hour to full hour of local mean time.)

JULY.

Date.	Hours (B. M. T.).											
	0—1	1—2	2—3	3—4	4—5	5—6	6—7	7—8	8—9	9—10	10—11	11—12
1	WSW	WSW	W	W	W	W	W	W	W	W	W	WSW
2	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW
3	WSW	SW	WSW	WSW	WSW	WNW	WNW	WNW	WNW	WNW	W	WNW
4	WSW	WSW	W	W	WSW	WSW	WNW	W	W	W	W	W
5	W	WNW	WNW	W	W	W	W	WSW	WSW	WSW	W	WSW
6	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	SW	SW	WSW
7	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW
8	WSW	WSW	W	WSW	WSW	WSW	WSW	WSW	WSW	WSW	W	W
9	W	WSW	WSW	WSW	W	W	W	W	WSW	SW	WSW	WSW
10	WSW	WSW	WSW	WSW	WSW	WSW	WNW	W	WSW	WSW	WSW	WSW
11	WSW	WSW	W	W	W	WSW	W	WSW	WSW	WSW	WNW	WNW
12	WSW	WSW	WSW	W	WSW	W	W	W	W	WSW	WSW	WSW
13	W	W	WNW	WSW	W	W	W	W	W	NW	WNW	W
14	WSW	WSW	WSW	WSW	WSW	W	WSW	W	W	WNW	WSW	WSW
15	WSW	WSW	WNW	WNW	WNW	WNW	NW	NW	WNW	WSW	W	WNW
16	WNW	WNW	WNW	WNW	WNW	WNW	WNW	NW	WNW	WNW	WNW	WNW
17	WNW	W	WSW	WSW	WSW	WSW	WNW	WNW	WNW	WNW	W	W
18	WSW	WSW	WSW	WSW	W	WSW	W	W	WNW	W	NW	WSW
19	W	WSW	WSW	W	W	W	W	W	WNW	WNW	WNW	WNW
20	W	W	W	W	W	W	W	W	W	WNW	W	WNW
21	WNW	WNW	WNW	WNW	WNW	WNW	WNW	W	W	W	W	W
22	W	W	W	WNW	NW	WNW	WNW	WNW	WNW	WNW	WNW	WNW
23	W	W	W	WSW	W	W	W	W	W	W	WSW	WSW
24	WSW	WSW	W	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW
25	SW	SW	WSW	SW	WSW	WSW	WSW	SW	WSW	WSW	WSW	W
26	WSW	WSW	WSW	WSW	WSW	W	WSW	WSW	WNW	W	W	W
27	WSW	W	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	SW
28	WSW	WSW	WSW	WSW	WSW	SW	WSW	WSW	WSW	WSW	WSW	WSW
29	WSW	WSW	WSW	WSW	SW	WSW	WSW	WSW	WSW	WSW	WSW	WSW
30	W	W	W	W	WSW	WSW	W	W	W	W	WNW	W
31	WSW	WSW	WSW	WSW	NW	WNW	WSW	W	W	W	WSW	W
Mean.	WSW	WSW	W	W	W	W	W	W	W	W	W	W

AUGUST.

1	W	W	W	W	WNW	WNW	WNW	W	W	W	W	W
2	W	WSW	W	W	W	W	WSW	WNW	NW	W	WSW	W
3	W	W	WSW	W	W	WSW	W	WSW	WSW	WSW	WSW	WSW
4	W	WSW	W	WSW	W	W	W	W	W	WSW	W	W
5	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW
6	W	WSW	WSW	WSW	WSW	WSW	W	WSW	WSW	WSW	WNW	WNW
7	W	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	W
8	W	W	W	W	W	WNW	WNW	WNW	WNW	WNW	WNW	WNW
9	W	W	W	W	W	W	WNW	WNW	WNW	WNW	W	W
10	W	W	W	W	W	W	WSW	W	WNW	W	WSW	WSW
11	WNW	W	W	WNW	WNW	WNW	WNW	WNW	WNW	WNW	W	W
12	W	WNW	WNW	W	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW
13	WNW	WNW	WNW	WNW	WNW	WNW	W	W	WNW	WNW	WNW	WNW
14	W	W	W	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	W
15	SW	SW	SSW	SSW	SSW	SSW	SSW	SW	NW	W	W	WNW
16	WNW	WSW	WSW	WSW	W	WNW	WNW	WNW	WNW	WNW	WNW	WNW
17	WNW	WNW	W	W	W	W	WNW	WNW	WNW	W	WNW	WNW
18	WSW	WSW	WSW	WSW	W	W	WNW	WNW	W	W	W	W
19	W	W	WSW	WSW	WSW	W	WSW	WSW	W	WNW	W	W
20	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW
21	WSW	WSW	WSW	WSW	WSW	WSW	WNW	W	WSW	WSW	WSW	WSW
22	WSW	W	W	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	W
23	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	W
24	W	W	WNW	WNW	WNW	W	W	WSW	WSW	WSW	WNW	WNW
25	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	W	W	W
26	W	W	W	W	WSW	WSW	W	W	WSW	WSW	WSW	WSW
27	WNW	SW	WSW	W	WNW	W	W	W	W	W	W	W
28	WSW	W	W	WSW	W	WNW	WNW	WNW	NW	Variable.	WNW	WNW
29	W	WNW	WNW	NW	SSW	WSW	NNW	W	W	NE	ENE	NNW
30	SSW	SSW	WSW	W	WSW	WSW	W	W	W	WSW	WSW	WSW
31	WSW	WSW	WSW	WSW	WSW	W	W	WNW	WNW	W	W	WN
Mean.	W	W	W	W	W	W	W	W	W	W	W	W

(Averages for sixty minutes from full hour to full hour of local mean time.)

JULY.

Hours (B. M. T.).												Mean.	Date.
12—13	13—14	14—15	15—16	16—17	17—18	18—19	19—20	20—21	21—22	22—23	23—24		
WSW	WSW	WSW	WSW	WSW	WSW	WSW	SW	WSW	SW	SW	WSW	WSW	1
WSW	WSW	WSW	WSW	WSW	WSW	SW	SW	SW	SW	SW	WSW	W3W	2
WSW	WNW	WNW	W	W	W	WNW	WSW	WSW	WSW	WSW	WSW	W	3
W	W	W	WNW	WNW	WNW	W	W	W	W	WSW	W	W	4
W	W	W	W	W	W	WSW	WSW	WSW	WSW	WSW	WSW	W	5
WSW	WSW	SW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	6
WSW	SW	SW	SW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	7
WSW	WSW	WSW	WSW	W	W	WSW	WSW	WSW	W	WSW	WSW	WSW	8
WSW	WSW	WSW	W	W	W	WNW	WSW	WSW	WSW	WSW	WSW	WSW	9
WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	10
W	W	W	W	W	WNW	W	W	W	WSW	WSW	WSW	W	11
W	WNW	WNW	WSW	WSW	W	WSW	WSW	SW	SSW	SW	W	WSW	12
SW	W	WSW	WSW	W	WSW	WSW	WSW	WSW	WSW	WSW	WSW	W	13
W	W	WNW	WNW	WNW	WSW	W	W	W	WNW	WSW	WSW	W	14
WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	15
WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	16
WNW	WNW	W	W	W	W	W	W	WSW	WSW	W	W	W	17
WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	18
W	WNW	WNW	W	WNW	W	W	W	W	W	WSW	WSW	W	19
WNW	WNW	W	W	W	W	WNW	WNW	WNW	WNW	WNW	NW	W	20
W	WNW	W	WNW	W	WNW	WNW	W	W	W	WNW	WNW	WNW	21
WNW	WNW	W	W	W	WSW	W	W	W	WSW	WNW	W	W	22
WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	23
WSW	WSW	WSW	WSW	SW	SW	SW	SW	SW	SW	SW	SW	WSW	24
W	W	W	W	WSW	WSW	WSW	W	WSW	WSW	WSW	W	WSW	25
W	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	26
WSW	WSW	SW	WSW	WSW	WSW	WSW	SW	SW	WSW	WSW	WSW	WSW	27
WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	SW	WSW	WSW	28
W	W	WNW	W	W	WSW	WSW	WSW	W	WSW	WSW	WNW	WSW	29
W	W	WNW	WNW	WNW	WNW	W	WSW	WSW	SW	WSW	WSW	W	30
W	WNW	WNW	WNW	WNW	W	W	W	WSW	WSW	WSW	WSW	W	31
W	W	W	W	W	W	W	WSW	WSW	WSW	WSW	W	W	Mean.

AUGUST.

W	W	W	WSW	WSW	WSW	WSW	W	W	WSW	WSW	W	W	1
WNW	WSW	WSW	WSW	WSW	WSW	W	W	W	WSW	WSW	WNW	W	2
WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	W	WSW	3
W	W	W	W	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	W	4
WSW	WSW	WSW	WSW	W	WNW	WSW	WSW	WSW	W	W	WNW	WSW	5
WNW	WNW	NW	W	WSW	W	WNW	W	W	W	W	W	W	6
WNW	WNW	WNW	WNW	WNW	W	W	WSW	WSW	W	W	W	WNW	7
WNW	WNW	WNW	W	W	W	W	W	W	W	W	W	W	8
W	WNW	WNW	WNW	WNW	WNW	WNW	WNW	W	WNW	WNW	WNW	WNW	9
W	WNW	W	WNW	WNW	W	WNW	W	WNW	W	W	W	W	10
W	W	W	W	W	W	WNW	W	WNW	WNW	WNW	WNW	WNW	11
WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	W	W	WNW	W	WNW	12
WNW	WNW	WNW	WNW	WNW	WNW	W	WNW	W	W	WSW	W	WNW	13
W	W	W	W	W	WSW	WNW	WSW	NNW	NNW	W	WSW	W	14
W	W	W	WNW	WNW	WNW	WNW	WNW	W	W	WSW	WSW	W	15
WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	W	WNW	W	WNW	16
W	W	WNW	WNW	WNW	WNW	W	W	W	W	W	W	W	17
W	W	WNW	W	W	W	W	W	W	W	W	W	W	18
WNW	WSW	W	WSW	W	W	WSW	W	WSW	WSW	WSW	WSW	W	19
WSW	WSW	SW	WSW	WSW	WSW	WSW	WSW	WSW	W	WSW	VSW	WSW	20
WSW	WSW	WSW	WSW	WSW	W	WSW	WSW	WSW	WSW	WSW	WSW	WSW	21
WSW	WSW	WNW	W	WNW	W	W	W	W	W	WSW	WSW	W	22
W	W	W	W	WNW	W	W	W	WSW	WSW	WSW	W	WSW	23
WNW	WNW	WNW	WNW	WNW	WNW	WNW	W	W	WNW	WNW	WNW	WNW	24
W	W	W	W	W	W	W	W	W	WSW	WSW	W	W	25
WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	26
W	W	WNW	W	W	WNW	WNW	WNW	W	W	WSW	WSW	W	27
WNW	WNW	WNW	W	W	W	W	NW	WNW	WSW	WSW	WSW	W	28
NNW	WNW	NW	NW	SW	W	WSW	WNW	WNW	W	W	WSW	WNW	29
WSW	W	WNW	WNW	WNW	WNW	WNW	W	WNW	WNW	W	WSW	W	30
WNW	WNW	W	W	WSW	W	W	WSW	W	WSW	WSW	WSW	W	31
W	W	W	W	W	W	W	W	W	W	W	W	W	Mean.

DIRECTION OF WIND, 1936.

(Averages for sixty minutes from full hour to full hour of local mean time.)

SEPTEMBER.

Date.	Hours (B.M.T.)											
	0—1	1—2	2—3	3—4	4—5	5—6	6—7	7—8	8—9	9—10	10—11	11—12
1	WNW	W	WSW	WNW	NW	WSW	WSW	SW	WSW	W	SW	WSW
2	W	W	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW
3	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	W	W	WSW	WNW
4	WSW	WSW	W	W	W	W	WNW	W	W	WSW	WNW	WSW
5	WNW	W	W	W	W	WNW	WNW	W	WNW	WNW	WNW	WNW
6	WNW	WNW	WNW	WNW	WNW	NW	WSW	WNW	NW	WNW	WNW	NW
7	W	NW	Calm	NW	NW	WNW	WSW	WSW	WSW	W	W	WNW
8	WSW	WSW	WSW	WSW	WNW	WNW	W	W	WSW	WSW	WSW	WSW
9	WNW	W	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW
10	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW
11	SW	SW	WSW	SW	SW	SW	SW	SW	SW	SW	SW	SW
12	WSW	WSW	WSW	WSW	WSW	WSW	SW	SW	SW	SW	SSW	SSW
13	SW	SW	SW	SW	SW	WSW	SW	SSW	SSW	SSE	SSW	SSW
14	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	SW	WSW
15	WSW	WSW	WSW	W	WSW	WSW	WSW	WSW	SSW	SW	SW	SW
16	WSW	WSW	WSW	WSW	SE	SE	SE	SE	SE	SSW	SSW	SSW
17	NW	NW	NNW	NW	SE	SE	SE	SE	SE	SE	SSE	SSW
18	NNW	NNE	NNE	NE	NE	NE	NE	ENE	ENE	ENE	ENE	NNW
19	NNE	NNE	N	N	NE	NE	NNE	NNE	NE	NNE	NNW	NNW
20	NNW	NNW	N	N	N	N	N	NNE	ENE	ENE	NNW	NNW
21	NE	NE	NE	N	N	N	N	ENE	ENE	ENE	NNW	NNW
22	NNW	NNW	E	SE	SSW	SE	ESE	NE	NE	NW	WNW	WNW
23	NE	NE	NE	N	N	NNE	NE	NE	ESE	SE	SW	WSW
24	SW	SE	SE	SSE	SSE	SE	SE	SE	SSE	SSE	SSE	S
25	SE	SSE	ESE	ESE	ENE	ESE	ENE	ENE	ENE	ENE	ENE	ENE
26	NNW	NNW	NW	NW	NNW	WSW	WSW	NE	S	SSE	SE	WSW
27	NW	WNW	WNW	NE	SE	SE	SE	SE	SE	ESE	SSE	SW
28	S	S	SSW	SSE	SSE	SSE	S	S	SSW	SSW	SSW	SW
29	ESE	ESE	ENE	NE	ENE	ENE	E	ENE	E	ESE	SSE	NW
30	SSE	SE	ESE	ESE	ENE	E	ENE	ENE	ENE	ENE	ESE	NW
Mean.	W	W	WSW	WSW	WSW	WSW	WSW	WSW	SW	WSW	WSW	W

OCTOBER.

1	SSW	SSE	ESE	ESE	SE	SE	SSE	SE	SE	SE	SSW	SSW
2	N	N	NNW	N	N	NE	E	SE	SE	SE	SE	WNW
3	NNW	NNW	NNW	NNW	N	N	N	N	NNW	NNW	NW	NW
4	NNW	NNW	NNW	NNW	NNW	N	NNW	NNW	NNW	NNW	NW	NW
5	NNW	NNW	NNW	N	NE	ENE	ENE	ENE	ESE	ESE	NW	WNW
6	N	N	N	N	N	N	NNE	NE	NE	NNW	NNW	NW
7	NNW	N	N	N	N	NNE	ENE	ENE	ENE	NNW	NW	NW
8	NW	NNW	NNW	Calm.	Calm.	Calm	SE	SE	SE	SE	SW	W
9	N	N	N	N	NNE	NNE	NNE	NNE	NE	NNE	NNW	NW
10	NNW	N	NNW	NNW	NNW	N	N	N	NNW	NNW	WNW	WNW
11	NNW	NNW	NNW	NNW	NNW	N	NE	NNE	E	NNW	NNW	NNW
12	Calm.	NNW	NNW	N	NNE	NNE	NE	ENE	ENE	ENE	SSW	NNW
13	N	N	NNE	N	N	NNE	NNE	ENE	ESE	ESE	WNW	NW
14	Calm.	Calm.	Calm.	N	N	Calm.	NNE	NE	ENE	ENE	ENE	NNW
15	ENE	ENE	NE	N	NNE	NNE	NNE	NNE	ENE	ENE	ENE	ENE
16	ESE	ENE	NE	NNE	NNE	NE	ENE	NE	ENE	ENE	ENE	ENE
17	SE	ESE	ESE	ESE	ENE	ENE	ENE	E	ENE	ENE	NW	NW
18	ENE	ENE	ENE	ENE	NE	ENE	NE	ENE	NE	ENE	ENE	WNW
19	SE	ENE	E	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE
20	SE	ESE	ENE	ENE	ENE	E	ESE	ESE	ENE	ENE	ENE	NW
21	ENE	ENE	ENE	NNE	NNE	NE	NE	ENE	ENE	ENE	ENE	WNW
22	NNE	ENE	ENE	ENE	N	NE	ENE	ENE	ENE	ENE	ENE	W
23	ENE	SE	ENE	ENE	NE	NE	ENE	NE	ENE	ENE	E	WNW
24	NE	NE	ENE	ENE	ENE	ENE	ENE	E	ENE	ENE	E	E
25	NNE	NE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	NE	ENE	NE
26	ENE	ENE	ENE	ENE	ENE	ENE	ENE	NE	ENE	ENE	ESE	ESE
27	ENE	NE	ENE	ENE	NNE	NE	NE	ENE	ENE	ENE	ENE	E
28	ENE	ENE	ENE	ENE	ENE	ENE	E	ENE	ENE	NE	ENE	NW
29	NNE	NNE	NNE	NE	NE	NE	NE	ENE	ENE	ENE	NE	NE
30	NE	NE	E	NE	NE	NE	NE	ENE	ENE	ENE	Variable	NW
31	SE	SE	ENE	ENE	ENE	ENE	NE	ENE	ENE	NE	NE	NE
Mean.	NE	NE	NE	NE	NE	NE	ENE	ENE	ENE	NE	NNE	NW

DIRECTION OF WIND, 1936.

(Averages for sixty minutes from full hour to full hour of local mean time.)

SEPTEMBER.

Hours (B. M. T.).												Mean.	Date.
12—13	13—14	14—15	15—16	16—17	17—18	18—19	19—20	20—21	21—22	22—23	23—24		
WSW	WSW	WNW	NW	WNW	WNW	W	WSW	WSW	WSW	WSW	WNW	W	1
WSW	WSW	WSW	WNW	W	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	2
WNW	WNW	W	W	W	W	W	WNW	W	W	W	WSW	W	3
WNW	WSW	WSW	WSW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	WNW	W	4
WNW	NW	WNW	WNW	WNW	WNW	NW	WNW	WNW	WNW	WNW	WNW	WNW	5
NNW	NW	WNW	NW	NW	NW	NW	NW	NW	NW	WSW	WSW	WNW	6
WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	7
WNW	W	WNW	WNW	WNW	WNW	WNW	W	W	W	WSW	W	W	8
WSW	W	WSW	WSW	WSW	WSW	WSW	WSW	WSW	SW	SW	SW	WSW	9
SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	10
WSW	WSW	W	WSW	WSW	WSW	WSW	WSW	SW	SW	SW	WSW	SW	11
SSW	WNW	W	W	W	WSW	WSW	WSW	WSW	WSW	SW	SW	WSW	12
WSW	SW	WNW	WNW	SW	WNW	WNW	W	WNW	WSW	SW	SW	SW	13
WSW	WSW	WSW	WNW	W	W	WSW	W	W	WSW	WSW	WSW	WSW	14
WSW	WSW	W	W	W	W	WNW	WNW	WNW	WNW	WNW	WSW	WSW	15
WSW	WSW	WSW	W	W	W	W	WNW	WNW	NW	WNW	NW	SW	16
WSW	W	NW	NW	NW	NW	NW	NNW	NNW	NNW	NNW	NNW	NW	17
NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	N	N	N	18
NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	N	N	NNW	NNW	19
NNW	NNW	NNW	NNW	NNW	NNW	NNW	N	N	ENE	ENE	NNE	N	20
NNW	NNW	NNW	NNW	NNW	NNW	NNW	N	N	N	Calm.	Calm.	N	21
WNW	WNW	W	W	WNW	NW	NE	ENE	ENE	NE	NE	NE	NE	22
WSW	W	W	WNW	NW	NNW	N	NE	NE	ENE	ENE	SE	N	23
WSW	SW	WSW	WNW	NE	ENE	NE	NE	ENE	NE	NE	SE	SE	24
NNW	NNW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NNW	N	25
W	WSW	WSW	WSW	SW	SSW	SSE	SE	SE	SE	ESE	NNW	SSW	26
WSW	WSW	W	WSW	WSW	SW	SW	SSW	SSW	SSE	SSE	SSE	S	27
SW	WSW	WSW	WNW	NW	NNW	NNW	ENE	ESE	ESE	SE	SE	S	28
NW	NNW	NW	NW	NW	NNW	NNW	NE	SE	SE	SSW	S	NNE	29
NW	NW	NW	NW	NNW	NNW	SE	ESE	ESE	SSE	SSE	SSW	NNE	30
W	WNW	WNW	WNW	WNW	WNW	WNW	WNW	W	W	WSW	WSW	W	Mean.

OCTOBER.

SW	SW	WSW	NW	NW	NW	NNW	NNW	NNW	N	N	Calm.	W	1
WNW	NW	NW	NW	NW	NW	NNW	NNW	NNW	NNW	NNW	NNW	NW	2
NW	NW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NW	NNW	3
NW	NW	NW	NW	NW	NW	NW	NW	NW	NNW	NNW	NNW	NNW	4
NW	NW	NW	NW	NW	NW	NW	NNW	NW	NNW	NNW	NNW	NNW	5
NW	NW	NW	NW	NW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	6
NW	NW	NW	WNW	WNW	WNW	NW	NW	NW	WNW	WNW	WNW	NW	7
WNW	WNW	NW	NW	NW	NW	NW	NNW	NNW	NNW	NNW	NNW	NW	8
NW	NW	NW	NW	NW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	9
WNW	NW	NW	NW	NW	NNW	NNW	NW	NW	NW	NW	NW	NW	10
NNW	NW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	11
NW	NW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	12
NW	NW	NW	NNW	NNW	NNW	NNW	NNW	NNW	N	N	N	NNW	13
NNW	NNW	NNW	NNW	NNW	N	N	N	N	N	NE	NE	N	14
W	WNW	WNW	NW	NW	NW	NW	NW	NNW	N	NNE	SE	N	15
WNW	NW	NNW	NNW	NNW	NNW	NNW	N	N	N	SE	SE	NNE	16
NW	NNW	NNW	NW	NW	NNW	NNW	NNW	N	N	NNE	NNE	N	17
NW	NNW	NW	NW	NW	NW	NNW	NNW	N	ENE	SE	SE	NNE	18
NE	NE	NW	NW	WNW	WNW	NW	NW	NW	NW	S	SE	NE	19
NW	NW	NW	NW	NNW	NNW	NNW	NNE	NNE	ENE	ESE	ENE	NNE	20
WNW	NW	NW	NNW	NNW	NNW	NNW	NNW	Calm.	NE	Calm.	SE	NNE	21
NW	NW	NW	NW	NNW	NNW	NNW	NNW	N	NNW	N	Calm.	N	22
NW	NW	NNW	NNW	NNW	N	N	N	N	NE	NE	NE	N	23
NW	NW	WNW	WNW	NW	NW	NW	NNW	NNW	N	N	N	NNE	24
NW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NW	NNW	NE	ENE	N	25
WNW	NNW	NNW	NNW	NNW	NNW	N	N	NNE	E	ESE	ENE	NNE	26
NW	NW	NNW	NNW	NNW	N	N	N	N	ENE	NE	NE	N	27
NNW	NW	NW	NNW	NNW	NNW	NNW	N	NNE	NE	NE	NE	NNE	28
NW	NW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	N	NE	NE	N	29
NNW	NNW	NNW	NNW	NNW	NNW	NNW	N	N	N	N	NNE	N	30
NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	N	N	Calm	N	31
NW	NW	NW	NW	NNW	NNW	NNW	NNW	NNW	N	N	NNW	N	Mean.

DIRECTION OF WIND, 1936.

(Averages for sixty minutes from full hour to full hour of local mean time.)

NOVEMBER.

Date.	Hours (B. M. T.).											
	0—1	1—2	2—3	3—4	4—5	5—6	6—7	7—8	8—9	9—10	10—11	11—12
1	N	ENE	ENE	ENE	NE	ENE	NE	ENE	ENE	ENE	ENE	ENE
2	NE	NE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE
3	ENE	ENE	ENE	NE	NE	ENE	ENE	ENE	ENE	ENE	ENE	NE
4	NE	NE	NE	ENE	NE	NNE	NE	NE	ENE	ENE	ENE	ESE
5	NE	NNE	NE	ENE	NE	NE	NE	NE	NE	NE	ENE	ESE
6	N	NNE	NE	NE	NE	NE	NNE	NE	NE	ENE	NE	NE
7	ENE	ENE	NE	NNE	NNE	NE	NE	NE	NE	NE	NE	NE
8	ENE	ENE	ENE	S	ESE	ESE	ESE	ESE	SSE	ESE	ESE	SE
9	NNE	NNE	NNE	NNE	NE	NE	NE	NE	ENE	NE	NE	NE
10	SE	NNW	N	NNE	NNE	NNE	N	NNE	NNE	NNE	NE	NE
11	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	NE	NE
12	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSS
13	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	S	SSW	SSW	S
14	SE	SE	SE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	SE	WSW
15	Calm	Calm	NNE	NNE	NE	ENE	ENE	ENE	E	ENE	ESE	ESE
16	N	N	N	N	N	N	N	NNE	ENE	NNW	NNW	NNW
17	NNE	NNE	N	NNE	NNE	NNE	N	N	N	N	NNW	NNW
18	Calm	Calm	Calm	Calm	ENE	ENE	NE	NNE	ENE	NNW	NW	NW
19	SE	Calm	SE	SE	SE	SE	ESE	ESE	SE	ESE	SE	S
20	N	N	NE	ENE	ENE	ENE	ENE	ESE	ENE	E	ESE	ESE
21	NNE	NE	NE	NE	ENE	ENE	ESE	ESE	E	E	ESE	SE
22	NNE	N	N	N	NNE	NNE	ENE	ENE	ENE	ENE	E	ENE
23	ESE	ENE	ESE	E	E	E	E	E	ENE	ENE	ESE	ENE
24	NNE	Calm	ESE	ESE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE
25	E	ENE	ENE	E	E	ESE	ENE	E	ENE	ENE	E	ENE
26	ENE	NE	NE	ENE	ESE	E	E	ENE	ENE	ENE	ENE	ENE
27	NE	ENE	NE	NE	ENE	ENE	ENE	ENE	NE	ENE	ENE	ENE
28	ESE	ESE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	E	ESE
29	ENE	NE	NE	NE	NE	ENE	ENE	ENE	ENE	ENE	ENE	ENE
30	ESE	ESE	ENE	ENE	NE	ENE	NE	ENE	ENE	ENE	ENE	ENE
Mean.	E	ENE	ENE	ENE	ENE	E	E	E	E	ENE	E	E

DECEMBER.

1	Calm	NNE	NE	NE	NE	NE	NE	ENE	ENE	ENE	ENE	E
2	ESE	ESE	E	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE
3	NNE	SE	ENE	ENE	ENE	ENE	ENE	ENE	E	ESE	ENE	ENE
4	NE	NE	NE	NE	NE	NE	NE	ENE	ENE	ENE	ENE	ENE
5	ENE	ENE	ENE	NE	NNE	NNE	ENE	NE	ENE	ENE	ENE	NNW
6	ESE	ESE	ESE	ESE	E	ENE	ENE	ENE	ENE	ENE	ENE	ENE
7	NE	ENE	SE	SE	ENE	ENE	E	ENE	ENE	ENE	ENE	SE
8	ESE	ENE	NE	NE	ENE	NE	NNE	ENE	ENE	ENE	ESE	ESE
9	ENE	ENE	ENE	NE	NNE	NNE	NNE	NNE	NE	ENE	NE	NW
10	NE	NE	ENE	ENE	E	ENE	NNE	ENE	ENE	ENE	ENE	ENE
11	NE	ENE	NE	NE	NE	NE	ENE	NE	ENE	ENE	ENE	ENE
12	E	ESE	ESE	ESE	E	ENE	ENE	ENE	ENE	ENE	ENE	ENE
13	ESE	ESE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	E	E	ESE
14	ESE	ESE	ENE	ENE	ENE	ENE	ENE	ENE	E	E NE	E	E
15	N	E	E	E	E	E	ENE	ENE	ENE	E NE	ESE	ESE
16	NNE	NNE	ENE	ENE	ENE	E	ENE	ENE	ENE	ENE	ENE	ENE
17	NNE	NE	NNE	NNE	NE	ENE	E	SE	ENE	ENE	ESE	ESE
18	NNE	SE	ESE	ENE	ENE	NE	E	E	E	E	N	NNW
19	NE	NE	NNE	NNE	NNE	NNE	NNE	NE	ENE	E	E	E
20	NNE	NNE	NNE	NE	NNE	NE	NNE	NNE	NNE	NE	NNW	NNW
21	NNE	NNE	NNE	NNE	NNE	NNE	NNE	NNE	NNE	ENE	ENE	NNW
22	NNE	N	NNE	NNE	NE	NNE	NE	NE	ENE	NE	ENE	NNW
23	E	ENE	NE	ENE	ENE	NE	NE	NE	ENE	ENE	ENE	ENE
24	NNE	ENE	ESE	NE	NE	ENE	ENE	ENE	ENE	ENE	NNW	NNW
25	N	N	NNE	ENE	NE	NNE	NE	NNE	ENE	ENE	ENE	NNW
26	ENE	N	N	N	N	N	NNE	NE	NE	ENE	ENE	NNW
27	NNE	N	NNE	NNE	N	N	NNE	NE	NE	NNE	NNW	NNW
28	NNE	NNE	NNE	NE	NE	ENE	ENE	ENE	ENE	ENE	ENE	NNW
29	NNE	NE	NE	NE	NE	NE	NE	ENE	ENE	ENE	ENE	ENE
30	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE
31	ENE	NE	NE	NE	E	ESE	ENE	ESE	ESE	ESE	SE	SE
Mean.	NE	NE	NE	NE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	NE

(Averages for sixty minutes from full hour to full hour of local mean time.)

NOVEMBER.

Hours (B. M. T.).												Mean.	Date.
12—13	13—14	14—15	15—16	16—17	17—18	18 19	19—20	20—21	21—22	22—23	23—24		
ESE	NW	NW	NNW	NNW	NNW	NNW	NNW	NNW	N	NNE	NNW	NNE	1
WNW	WNW	WNW	WNW	NW	NW	NNW	NNW	NNW	N	NNE	ENE	NNE	2
ENE	NW	NW	NW	NNW	NNW	NNW	NNW	N	N	NNE	NE	NNE	3
SW	NW	NNW	NNW	NNW	NNW	NNW	NNW	E	Calm	NNW	N	N	4
ESE	SE	SE	SE	NW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNE	5
NW	NW	NNW	NNW	NNW	NNW	NNW	N	N	N	NNE	NE	N	6
NE	NNW	NNW	NNW	N	NNW	N	N	N	N	N	NE	NNE	7
SE	WSW	WSW	NW	NNW	NNW	N	N	NNE	NE	NE	ENE	ENE	8
NE	ENE	NW	NW	NW	NNW	NNW	NNW	N	N	SSW	SW	NNE	9
NNW	NNW	NNW	NNW	N	NNW	SE	SSE	SSE	ESE	ESE	ESE	NNE	10
NE	SSW	SSW	SSE	SE	SE	SE	SE	SSE	SSE	SSE	SSE	ESE	11
SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	12
S	SSW	SSW	SSW	SSW	SSW	SSW	S	S	SSE	SE	SE	S	13
WSW	WSW	W	W	W	WNW	WNW	NW	WNW	NNW	N	Calm	S	14
WNW	NW	NW	NNW	NNW	NNW	NNW	N	N	N	N	N	N	15
NNW	NNW	NNW	NNW	NNW	NNW	N	NNE	NNW	NNW	NNE	NNE	NNW	16
NNW	NNW	NNW	NNW	NNW	NNW	N	N	N	N	Calm	SE	N	17
NW	NW	NW	NNW	NNW	NNW	NNW	N	NNW	NNW	NNW	SE	NNW	18
WNW	NW	NW	NW	NW	NW	NNW	NNW	NNW	N	N	NNE	N	19
WSW	WSW	WNW	WNW	WNW	WNW	WNW	NW	NNW	N	N	N	NNW	20
W	W	WNW	WNW	WNW	NW	NNW	NNW	NNW	N	NNE	NNE	NE	21
Calm	WNW	WNW	NW	NW	NNW	NNW	NNW	N	N	N	NE	N	22
ENE	ENE	NW	NNW	NNW	NNW	N	N	N	NNE	NNE	NNE	NE	23
ENE	ENE	NW	NW	NW	NNW	NNW	N	N	NE	ESE	E	NE	24
ENE	WNW	NW	NNW	NNW	NNW	NNW	NNW	NNW	NNE	ENE	NE	NNE	25
WNW	WNW	WNW	NW	NW	NNW	NNW	NNW	NNW	N	N	N	NNE	26
ESE	WNW	NW	NW	NW	NNW	NNW	NNW	N	N	NNE	NE	NNE	27
SE	Calm	WNW	NW	NNW	NNW	NNW	NNW	NNW	NNE	NNE	NNE	NE	28
WNW	WNW	NW	NW	NW	NNW	NNW	NNW	N	N	N	N	N	29
NW	NW	NW	NNW	NNW	NNW	NNW	NNW	N	NNE	ENE	NE	N	30
N	WNW	NW	NW	NNW	NNW	NNW	NNW	N	NNE	NE	ENE	NNE	Mean.

DECEMBER.

SE	WSW	NW	NW	NW	NW	NNW	NNW	N	N	NNW	N	N	1
ENE	WNW	NW	NW	NW	NNW	NNW	NNW	N	N	NNE	NNE	NNE	2
WNW	WNW	WNW	NW	NW	NW	NNW	NNW	NNW	NE	ENE	NE	NNE	3
NW	NW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	N	NNE	NE	N	4
NNW	NNW	NNW	NW	NNW	NNW	NNW	NNW	N	N	N	NE	N	5
ESE	WSW	WNW	WNW	NW	NNW	NNW	NNW	N	N	NNE	NE	NNE	6
WSW	W	WNW	WNW	WNW	WNW	WNW	NW	NNW	Calm	NE	NE	NE	7
ESE	WSW	WNW	WNW	WNW	WNW	NW	NNW	NNW	NNE	NE	ENE	NNE	8
NNW	NNW	NNW	NNW	NNW	NNW	N	N	N	N	NNE	NNE	N	9
WNW	WNW	NW	NW	NNW	NNW	NNW	NNW	NNE	ENE	ESE	ENE	NNE	10
E	ESE	WNW	NW	NNW	NNW	N	N	NNE	NNE	NNE	ENE	NNE	11
ENE	ENE	ENE	ENE	NNE	N	N	N	N	NNE	NE	ESE	ENE	12
SE	ENE	NE	NNW	NNW	N	N	N	N	N	NE	ESE	ENE	13
ENE	ENE	ENE	WNW	NW	NW	NNW	NNW	NNW	N	NNE	NNE	NE	14
SE	SE	E	WNW	NNW	NNW	NNW	NNW	NNW	N	NNE	NNE	ENE	15
ENE	ENE	WNW	WNW	NW	NW	NW	NNW	NNW	NNE	NNE	NNE	NE	16
WNW	WNW	NW	NW	NNW	NNW	NNW	NNW	N	N	NNE	NNE	NNE	17
NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	N	N	NNE	N	18
NW	NNW	NNW	NNW	NNW	N	NNW	N	N	N	N	N	N	19
NNW	NNW	NNW	NNW	NNW	N	N	N	N	N	NNE	NNE	N	20
NNW	NNW	NNW	NNW	NNW	NNW	NNW	N	N	NNE	N	NNE	N	21
NW	NNW	NNW	NNW	NNW	N	N	N	N	N	NNE	ESE	N	22
ENE	WNW	WNW	NW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNE	N	23
NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	NE	NE	N	N	24
NNW	NNW	NNW	NNW	NNW	N	N	N	N	NNE	NE	ESE	N	25
NNW	NNW	NNW	NNW	N	N	N	N	N	N	N	NNE	N	26
NNW	NNW	NNW	NNW	NNW	N	N	N	N	N	N	N	N	27
NNW	NNW	NNW	NNW	NNW	NNW	N	N	N	NNE	NNE	N	NNE	28
NNW	NNW	NNW	NNW	NNW	NNW	NNW	NNW	N	NE	ESE	ENE	NNE	29
ENE	ENE	NNW	NNW	NNW	N	NNW	N	N	ENE	NE	ENE	NE	30
SE	E	ESE	NNW	NNW	N	N	N	N	NE	ESE	SE	E	31
N	NNW	NNW	NNW	NNW	NNW	NNW	N	N	N	NNE	NE	NNE	Mean.

(Averages for sixty minutes from full hour to full hour of local mean time.)

JANUARY. (IN DEGREES FAHRENHEIT.)

Date.	Hours (B. M. T.).														
	0—1	1—2	2—3	3—4	4—5	5—6	6—7	7—8	8—9	9—10	10—11	11—12	12—13	13—14	14—15
1	71·9	71·5	72·0	72·5	72·0	72·0	71·9	72·3	74·0	76·2	79·0	80·6	81·5	81·8	82·1
2	75·5	75·5	74·7	73·7	73·0	72·2	72·5	73·6	75·0	76·0	77·0	78·9	80·5	81·5	81·0
3	74·0	73·5	73·1	73·0	73·0	73·0	72·5	72·7	75·0	76·2	78·2	79·4	80·0	80·5	80·6
4	72·3	72·5	72·7	72·5	71·5	71·1	71·2	72·1	73·8	75·2	76·2	77·5	78·2	78·6	78·8
5	72·9	72·3	71·7	70·8	70·1	70·0	70·1	70·9	72·8	74·2	76·0	77·3	77·8	77·4	77·0
6	70·0	69·4	68·8	68·3	68·0	67·2	67·0	68·8	71·2	72·2	73·5	75·2	76·8	77·4	77·5
7	66·3	65·7	65·0	66·0	66·5	66·2	65·7	66·8	68·8	71·3	73·7	75·2	76·5	77·0	77·1
8	67·5	66·6	65·6	65·0	63·8	63·4	**62·3**	63·4	66·6	69·6	72·7	74·6	76·7	77·8	77·8
9	68·8	67·3	66·5	66·0	65·4	66·0	66·5	67·4	69·8	71·8	74·0	76·2	77·8	78·5	78·9
10	71·0	71·6	70·8	69·7	68·6	68·7	68·5	69·4	71·3	72·7	75·7	77·5	79·2	79·5	79·3
11	72·1	72·1	71·3	71·0	70·1	69·2	69·6	71·0	72·8	74·5	76·3	79·1	81·7	**82·4**	82·3
12	71·7	71·4	71·2	70·8	70·2	69·6	69·4	70·4	73·5	75·6	77·4	79·0	80·3	81·4	81·3
13	72·1	71·4	71·2	69·8	69·1	68·8	68·0	68·7	72·3	75·0	77·3	78·1	78·8	79·5	79·5
14	72·6	72·7	72·3	71·7	71·3	70·8	70·0	71·0	73·2	74·8	76·5	78·0	78·3	79·2	79·2
15	71·7	71·6	71·0	70·7	70·6	69·6	67·7	68·0	70·1	72·5	75·2	77·7	78·7	79·1	79·2
16	68·8	68·7	68·5	68·0	66·8	66·3	65·8	66·2	69·2	72·6	74·3	76·0	77·1	78·0	78·0
17	69·4	69·0	69·6	69·0	68·3	68·0	67·5	68·4	70·4	72·5	75·2	77·5	79·7	80·5	80·2
18	69·9	69·8	70·2	70·2	69·4	69·2	68·6	69·8	71·6	73·5	76·2	79·5	80·9	80·8	81·0
19	71·2	70·8	70·6	70·0	69·7	69·6	69·3	70·3	72·1	73·5	76·6	79·6	81·7	81·3	81·4
20	74·0	73·6	73·2	73·0	72·4	72·3	72·3	72·8	74·0	74·8	76·5	77·7	79·0	79·6	79·6
21	72·7	72·1	71·8	71·4	71·2	71·1	71·7	72·0	74·0	75·9	77·5	78·3	78·8	79·5	79·6
22	73·0	72·5	72·5	72·2	71·4	71·0	71·0	71·7	74·1	75·7	77·2	78·0	78·5	79·0	79·0
23	72·8	72·6	72·8	72·7	71·8	72·6	72·5	72·8	74·0	75·1	77·4	78·0	79·0	78·8	79·0
24	69·7	69·0	68·4	67·6	67·6	67·3	65·8	66·4	69·5	72·4	75·2	76·3	77·1	77·2	77·0
25	68·0	67·0	66·3	66·0	66·2	66·4	65·7	66·2	69·0	71·0	72·6	73·8	75·6	76·0	76·6
26	67·5	67·4	67·2	67·0	67·2	66·5	66·0	66·5	68·5	70·7	72·1	74·3	76·1	76·9	76·9
27	66·6	66·0	65·8	65·8	65·8	65·6	65·3	67·0	69·0	71·1	72·8	74·8	76·8	77·5	77·4
28	68·1	67·6	67·0	66·3	66·0	66·0	66·8	68·0	69·8	71·5	73·5	76·2	77·0	77·8	78·2
29	70·8	71·0	71·6	71·9	71·6	71·1	70·2	71·0	72·6	73·8	75·9	77·0	77·5	78·3	78·5
30	68·8	69·0	69·1	69·1	68·7	68·0	67·4	68·1	69·1	70·5	72·5	74·8	75·9	77·0	77·2
31	69·6	69·0	67·5	66·5	66·0	66·3	66·0	65·8	69·0	72·2	76·2	79·1	80·3	78·8	79·0
Mean . .	70·7	70·3	70·0	69·6	69·1	68·9	**68·5**	69·3	71·5	73·4	75·5	77·3	78·5	79·0	**79·0**
Variation .	−2·7	−3·1	−3·4	−3·8	−4·3	−4·5	**−4·9**	−4·1	−1·9	0·0	+2·1	+3·9	+5·1	+5·6	**+5·6**
Mean in °C. .	21·5	21·3	21·1	20·9	20·6	20·5	**20·3**	20·7	21·9	23·0	24·2	25·2	25·8	26·1	**26·1**
Variation in °C..	−1·5	−1·7	−1·9	−2·1	−2·4	−2·5	**−2·7**	−2·3	−1·1	0·0	+1·2	+2·2	+2·8	+3·1	**+3·1**

FEBRUARY.

1	70·0	70·5	71·2	71·0	70·5	70·5	70·5	71·0	73·5	76·2	78·5	80·6	82·5	84·3	85·4
2	72·9	73·5	72·8	72·0	70·8	71·0	70·8	71·3	73·7	76·0	77·8	79·0	79·2	79·5	79·6
3	73·3	72·5	72·3	71·6	70·7	70·1	69·8	71·6	74·2	76·5	79·2	82·2	83·4	83·2	82·6
4	74·5	74·0	73·4	72·4	71·8	70·9	70·8	71·5	73·3	75·7	77·5	80·8	82·0	81·0	81·1
5	72·8	72·3	71·9	71·7	71·8	72·0	72·1	72·7	75·2	76·8	79·0	80·8	82·9	82·8	81·8
6	74·0	73·4	72·9	72·0	71·0	70·5	70·4	72·0	74·0	75·3	76·8	77·9	78·2	78·6	78·6
7	71·3	71·0	70·8	70·0	71·2	71·5	71·3	71·6	72·4	73·2	74·4	75·8	77·2	77·2	77·5
8	70·0	69·3	68·5	68·0	67·3	**67·0**	67·1	68·8	71·0	72·5	74·7	75·4	76·3	77·1	77·5
9	68·8	68·2	67·8	68·0	67·4	67·0	66·6	67·9	71·4	73·5	77·2	80·2	83·8	83·0	81·2
10	71·8	71·3	71·0	71·5	71·0	71·5	71·3	72·0	74·4	77·0	80·6	83·2	85·4	**86·8**	86·0
11	74·7	75·0	74·9	74·3	73·8	73·9	73·2	73·7	75·7	76·9	78·8	80·0	80·7	81·3	81·7
12	75·0	75·3	74·4	73·8	73·4	73·1	73·3	73·1	73·6	75·0	77·0	78·2	79·6	80·4	80·9
13	73·7	73·3	72·8	73·4	73·4	72·8	72·5	73·4	73·5	75·0	76·9	78·2	78·5	79·2	79·7
14	73·8	72·8	72·4	72·0	71·7	71·7	72·0	72·4	73·8	75·0	76·5	77·8	78·5	79·2	80·0
15	71·9	71·8	71·8	72·9	72·5	72·1	72·2	72·9	74·6	76·2	77·6	78·3	78·8	78·8	79·0
16	71·1	70·7	70·8	71·5	71·6	71·5	71·5	72·2	74·2	75·3	75·9	77·0	78·2	79·2	78.5
17	72·8	72·8	72·8	71·9	71·5	71·3	71·0	71·5	73·2	74·8	76·9	77·7	78·6	78·9	78·9
18	73·5	73·4	72·5	72·0	71·7	71·6	71·5	72·5	74·3	75·2	77·0	78·0	78·7	79·5	79·4
19	72·4	72·1	71·9	71·7	71·4	71·2	71·0	71·4	73·7	75·4	77·2	77·6	78·4	78·6	78·6
20	71·5	70·5	69·5	69·2	68·6	68·6	68·9	70·5	72·8	74·5	76·8	77·5	78·0	78·5	78·2
21	71·5	71·0	71·0	71·0	70·8	70·5	70·0	71·3	73·4	75·2	77·3	78·5	79·4	79·6	79·8
22	72·2	72·2	72·4	72·5	72 6	72·5	72·0	72·7	75·0	75·8	77·2	78·7	79·3	80·2	80·6
23	72·7	72·0	72·2	72·4	72·4	72·3	71·8	72·3	73·4	75·3	77·1	77·7	78·9	79·6	79·9
24	72·7	72·0	71·7	71·4	71·0	70·8	70·2	71·3	73·5	75·4	77·2	78·0	78·8	79·5	79·4
25	72·4	72·2	72·2	71·8	71·4	71·0	70·6	71·4	73·8	76·3	77·8	78·7	79·2	80·1	80·1
26	72·1	71·5	71·8	72·2	72·5	72·1	71·2	72·1	74·5	76·4	77·6	78·2	79·1	79·8	79·8
27	72·2	71·8	71·5	72·3	72·7	72·2	72·3	72·5	73·2	73·6	75·7	77·3	78·5	79·2	79·4
28	72·0	73·0	71·8	71·4	71·6	72·0	71·6	72·4	73·8	75·4	76·8	78·0	79·8	79·6	79·5
29	73·6	73·4	73·0	72·3	71·4	71·6	72·0	73·2	75·5	77·4	78·3	79·5	80·2	80·5	80·3
Mean . .	72·5	72·2	71·9	71·7	71·4	71·2	**71·0**	71·8	73·7	75·4	77·3	78·6	79·7	**80·2**	80·2
Variation .	−2·6	−2·9	−3·2	−3·4	−3·7	−3·9	**−4·1**	−3·3	−1·4	+0·3	+2·2	+3·5	+4·6	**+5·1**	+5·1
Mean in °C. .	22·5	22·3	22·2	22·1	21·9	21·8	**21·7**	22·1	23·2	24·1	25·2	25·9	26·5	**26·8**	26·8
Variation in °C..	−1·4	−1·6	−1·7	−1·8	−2·0	−2·1	**−2·2**	−1·8	−0·7	+0·2	+1·3	+2·0	+2·6	**+2·9**	+2·9

(Averages for sixty minutes from full hour to full hour of local mean time.)

JANUARY. (IN DEGREES FAHRENHEIT.)

Hours (B. M. T.)									Mean.		Maximum.		Minimum.		Date.
15—16	16—17	17—18	18—19	19—20	20—21	21—22	22—23	23—24	°F	°C	Time. H. M.	Mag.	Time. H. M.	Mag.	
82·1	81·2	79·6	78·1	77·3	76·0	75·5	75·2	75·3	76·3	24·6	15 20	82·4	1 5	71·5	1
80·6	79·6	78·5	77·2	76·5	75·3	75·6	75·7	75·2	**76·4**	**24·7**	13 55	81·8	5 50	72·0	2
79·6	78·4	76·8	76·0	75·7	75·6	75·3	73·6	73·2	75·8	24 3	14 20	81·0	7 20	72·3	3
78·6	77·5	76·0	75·5	74·0	74·0	73·5	72·6	72·8	74·5	23·6	14 55	79·0	5 30	71.0	4
76·4	75·6	73·8	72·8	72·5	72·4	72·2	71·7	71·4	73·3	22·9	11 58	78·0	5 0	69·5	5
77·2	75·5	73·5	72·6	72·2	71·5	71·0	68·8	67·0	71·7	22·1	14 40	78·0	6 0	67·0	6
77·0	75·5	73·7	72·7	72·4	71·5	71·0	69·5	68·0	70·8	21·6	14 24	77·2	2 40	65·0	7
77·1	75·3	73·5	72·6	72·2	71·8	70·7	69·5	69·2	**70·2**	**21·2**	14 10	78·4	6 35	**62·2**	8
79·0	78·0	76·2	74·8	74·2	73·0	72·0	70·6	70·2	72·0	22·2	15 4	79·1	4 45	65·0	9
79·4	78.6	77·0	75·7	75·2	74·2	73·3	72·3	72·3	73·8	23·2	13 45	79·8	5 0	68·2	10
81·4	79·5	77·6	76·3	75·6	75·4	74·6	73·8	72·9	75·1	23·9	13 50	**82·7**	5 20	68.8	11
80·8	79·1	77·3	76·4	75·8	75·3	74·0	73·4	72·8	74·9	23·8	13 56	81·7	6 0	69·0	12
79·3	78·2	76·8	75·3	74·8	74·2	73·1	72·3	72·5	74·0	23·3	13 32	79·8	7 5	67·6	13
79·2	78·7	77·4	75·8	75·2	75·0	74·4	73·6	72·1	74·7	23·7	13 42	79·4	6 45	70·0	14
79·3	77·5	75·3	74·0	73·5	73·0	72·5	70·9	69·6	73·3	22·9	14 28	79·8	6 50	67·2	15
77·8	77·0	75·5	74·4	74·4	74·0	73·3	71·8	71·0	72·2	22·3	14 0	78·6	6 45	65·3	16
79·5	78·0	76·3	74·9	74·5	74·0	73·5	72·8	71·5	73·3	22·9	13 2	80·5	6 45	67·4	17
8·8	80·0	78·0	76·0	75·0	74·0	73·0	72·5	71·3	74·2	23·4	12 22	81·2	6 40	68·4	18
81·2	80·4	78·5	76·8	76·2	76·0	75·0	74·5	74·4	75·0	23·9	12 28	82·0	6 52	68·8	19
79·4	78·5	76·9	75·7	75·5	75·0	74·5	73·9	73·5	75·3	24·1	13 50	80·0	6 50	72·0	20
79·0	77·8	76·3	75·1	74·8	74·5	74·4	74·0	73·5	74·9	23·8	14 12	79·6	4 0	71·0	21
78·8	77·6	76·5	75·4	75·0	74·8	74·4	74·2	73·6	74·9	23·8	13 17	79·5	6 0	70·6	22
78·2	76·8	74·6	73·7	73·5	73·4	73·0	71·9	70·5	74·5	23·6	12 50	79·2	4 50	71·5	23
76·5	75·2	73·5	72·6	72·5	72·3	71·3	70·3	69·0	71·7	22·1	12 10	77·3	7 0	65·5	24
76·3	75·0	73·2	72·2	71·9	71·5	71·3	68·5	67·4	70·6	21·4	14 0	77·0	7 0	65·3	25
76·8	76·0	73·9	72·6	72·2	71·8	70·7	68·8	68·1	70·9	21·6	15 30	77·4	7 0	65·6	26
77·2	76·0	74·6	73·1	72·6	72·2	71·0	69·0	68·8	70·9	21.6	13 30	77·6	6 0	65·2	27
78·3	78·0	76·8	75·0	73·8	72·5	71·8	71·5	71·2	72·0	22·2	15 0	78·4	5 50	65·5	28
78·1	77·2	75·1	73·3	72·5	71·4	71·0	70·3	69·4	73·4	23·0	13 40	78·5	6 50	70.0	29
77·2	76·4	74·8	73·7	73·5	73·4	73·1	71·6	70·5	72·1	22·3	14 0	77·6	6 50	67·0	30
78·3	77·5	76·0	75·2	74·6	74·0	73·0	72·0	70·9	72·6	22·6	12 30	81·0	7 0	65·3	31
78·7	77·6	75·9	74·7	74·2	73·6	73·0	72·0	71·3	73·4	23·0					Mean.
+5·3	+4·2	+2·5	+1·3	+0·8	+0·2	—0·4	—1·4	—2·1							Variation.
25·9	25·3	24·4	23·7	23·4	23·1	22·8	22·2	21·8							Mean in °C.
+2·9	+2·3	+1·4	+0·7	+0·4	+0·1	—0·2	—0·8	—1·2							Variation in °C

FEBRUARY.

85·0	81·8	79·3	77·4	76·5	75·8	75·0	74·3	73·8	76·0	24·4	14 5	85·6	0 40	70·0	1
79·8	79·2	77·3	76·3	76·0	75·5	75·0	74·3	73·8	75·3	24·1	15 35	80·2	4 40	70·5	2
82·3	80·2	78·8	77·3	77·0	76·2	75·7	75·2	74·9	76·3	24·6	12 40	84·0	6 30	69·5	3
79·5	78·1	77·0	76·4	75·9	75·4	74·8	73·8	73·3	75·6	24·2	12 20	83·0	6 0	70·5	4
81·0	79·8	78·1	76·8	76·1	75·5	75·0	74·4	74·2	76·1	24·5	12 50	83·5	3 30	71·4	5
79·3	78·6	77·2	75·8	75·2	74·7	74·3	73·5	71·8	74·8	23·8	15 35	79·5	6 45	70·2	6
77·4	76·5	74·8	73·1	72·3	72·0	71·6	71·3	70·5	73·2	22·9	14 15	77·6	3 30	70·0	7
77·3	76·2	74·5	73·4	73·3	73·1	72·8	71·5	70·0	**72·2**	**22·3**	14 25	77·6	6 0	66·5	8
80·4	79·4	77·5	76·4	75·9	75·5	74·5	73·1	72·2	74·0	23·3	12 50	84·7	7 0	**66·0**	9
86·0	83·2	80·4	77·9	77·1	76·5	76·0	75·5	74·8	**77·2**	**25·1**	13 25	**87·0**	2 20	70·5	10
81·8	81·0	79·2	77·9	77·2	76·2	75·3	75·8	75·6	77·0	25·0	14 58	82·0	6 38	73·0	11
81·0	80·2	78·8	77·4	76·8	76·0	74·9	74·2	74·0	76·2	24·6	15 38	81·4	5 15	73·0	12
80·0	79·8	78·5	76·9	76·0	75·2	74·4	73·7	73·7	75·6	24·2	15 60	80.0	6 25	72·3	13
80·6	80·0	78·2	76·4	75·4	74·8	74·0	72·8	72·3	75·2	24·0	15 45	80·6	5 15	71·5	14
78·9	78·0	76·3	74·9	74·3	73·6	73·4	72·9	72·0	74·8	23·8	12 58	79·4	2 0	71·5	15
78·3	77·5	76·0	74·5	74·3	73·9	73·7	73·4	73·1	74·3	23·5	13 35	79·4	2 0	70·4	16
78·6	77·5	76·0	74·8	74·6	74·4	74·2	73·9	73·5	74·7	23·7	13 15	79·3	6 45	71·0	17
79·2	78·4	76·9	75·3	74·3	74·2	74·0	73·5	73·0	75·0	23·9	13 35	79·5	6 0	71·5	18
78·2	77·2	75·5	73·8	73·5	73·0	72·6	72·3	72·0	74·2	23·4	14 0	79·0	7 0	70·9	19
77·8	76·9	75·2	74·0	73·5	73·5	73·0	72·6	72·3	73·4	23·0	13 30	78·6	4 30	68·4	20
79·5	78·3	76·8	75·6	75·0	74·5	74·0	74.0	73·2	74·6	23·7	13 42	80·0	6 35	69·6	21
80·4	79·5	78·0	76·9	75·2	74·7	74·1	73·5	73·5	75·5	24·2	14 23	81·0	6 50	71·5	22
79·2	78·2	76·8	75·2	74·5	74·0	73.6	73·4	73·4	74·9	23·8	14 30	80·0	6 25	71·6	23
79·0	78·3	76·4	74·8	74·5	74·4	74·0	72·8	72·4	74·6	23 7	14 0	79·8	7 0	70·2	24
79·7	79·0	77·5	76.1	75·6	75·2	74·8	73·9	73·0	75·2	24·0	14 0	80·4	7 0	70·5	25
79·2	78·5	77·2	75·8	75·3	74·5	73·9	72·8	72·4	75·0	23·9	14 10	80·4	6 40	71·0	26
79·5	78·6	77·0	75·5	74·8	74·4	73·4	72·6	72·4	74·7	23·7	14 20	79·6	2 0	71·5	27
79·4	78·9	77·5	76·3	75·7	75·5	75·4	75·0	74·6	75·3	24·1	13 0	80·2	3 30	71·4	28
80·0	79·0	77·5	76·2	75·6	75·2	74 8	74·3	73·7	75·8	24·3	14 12	80·7	4 50	71·3	29
79·9	78·9	77·2	75·8	75·2	74·7	74·2	73·6	73·1	75·1	23 9					Mean.
+4·8	+3·8	+2·1	+0·7	+0·1	—0·4	—0·9	—1·5	—2·0							Variation.
26·6	26·1	25·1	24·3	24·0	23·7	23·4	23·1	22·8							Mean in °C.
+2·7	+2·2	+1·2	+0·4	+0·1	— 0·2	—0·5	—0·8	—1·1							Variation in °C

AIR TEMPERATURE, 1936.

(Averages for sixty minutes from full hour to full hour of local mean time.)

MARCH. (IN DEGREES FAHRENHEIT.)

Date.	Hours (B. M. T.).														
	0—1	1—2	2—3	3—4	4—5	5—6	6—7	7—8	8—9	9—10	10—11	11—12	12—13	13—14	14—15
1	73·0	72·6	72·4	72·8	73·4	73·3	73·2	74·3	75·8	77·0	77·7	79·4	80·5	81·0	81·4
2	73·6	73·4	73·3	73·4	73·3	72·4	71·4	71·8	73·2	74·5	76·2	76·9	77·5	77·4	77·5
3*															
4*															
5*															
6	78·5	77·7	76·9	76·0	76·3	76·2	75·5	77·1	79·2	81·3	82·4	83·1	83·8	84·2	84·8
7	77·9	77·5	77·1	76·2	75·7	75·9	76·1	76·3	77·1	79·2	80·5	81·3	82·2	82·7	83·3
8	75·6	75·5	75·4	75·1	74·1	73·3	72·7	74·2	76·8	78·8	80·1	81·1	81·4	80·8	80·4
9	73·4	73·4	73·2	73·2	73·1	73·1	72·3	72·8	74·4	76·2	77·5	77·9	78·3	78·4	78·0
10	71·8	72·1	72·1	70·8	70·9	70·5	70·4	71·3	73·9	76·6	79·2	79·5	80·2	80·5	80·4
11	71·2	70·5	69·6	69·5	69·5	68·9	68·5	70·3	75·0	78·3	81·3	82·9	84·2	83·6	83·8
12	74·8	74·3	73·2	74·8	74·3	74·3	74·8	76.5	79·6	82·5	87·0	92·0	94·7	94·0	88·0
13	77·2	77·3	77·4	76·4	76·4	76·1	75·5	77·0	81·2	84·8	88·8	91·3	92·0	90·2	86·9
14	78·5	78·0	76·5	76·0	75·5	76·5	76·6	77·3	81·1	84·9	89·1	91·5	90·9	91·0	90·9
15	78·1	77·5	76·9	76·0	75·9	75·2	75·5	77·1	79·5	82·0	85·9	88·5	89·9	91·1	92·9
16	78·3	76·4	76·2	76·4	76·3	74·4	73·7	75·3	80·3	83·4	84·2	85·4	86·1	85·6	85·4
17	77·5	77·5	76·8	76·5	76·7	76·1	74·8	76·9	79·3	81·3	84·1	85·2	85·1	85·1	84·7
18	78·5	77·5	76·7	76·3	75·8	76·5	76·2	77·7	80·2	82·4	83·3	83·8	84·2	83·9	84·2
19	78·2	77·9	77·7	77·6	77·5	77·5	77·3	78·2	79·2	80·6	81·7	82·5	83·2	83·5	83·5
20	77·5	77·4	76·9	76·3	75·0	74·5	75·9	77·0	78·6	80·3	81·9	82·9	83·6	83·7	84·4
21	74·6	74·1	73·6	73·5	73·4	73·2	73·5	74·9	77·2	79·2	81·3	83·1	84·4	84·3	84·0
22	75·2	75·0	74·8	73·8	73·2	72·8	73·1	74·4	76·8	79·6	81·7	83·0	83·6	83·8	84·2
23	77·0	77·0	76·2	75·0	73·8	73·0	73·0	76·2	79·2	81·2	82·5	83·4	84·0	84·5	85·1
24	76·8	75·9	75·4	75·0	75·1	75·1	74·7	77·1	79·2	81·7	84·4	84·6	85·3	86·0	86·6
25	78·3	78·9	78·5	78·0	77·4	77·3	77·2	79·3	81·0	82·0	83·1	84·2	84·8	84·9	84·5
26	78·0	77·3	76·5	76·5	76·4	75·7	76·0	78·2	80·6	82·1	82·1	83·0	83·6	83·7	84·0
27	80·0	79·4	79·0	79·0	78·6	79·0	79·1	79·9	82·0	83·2	84·0	85·5	86·3	85·8	85·9
28	80·5	80·0	79·0	79·0	79·0	79·0	78·7	80·5	83·2	84·8	84·6	85·3	87·3	88·0	87·7
29	81·0	81·0	80·0	79·3	78·7	78·1	78·5	80·0	82·4	83·4	84·0	84·9	86·2	85·7	85·3
30	79·8	79·4	79·0	79·0	78·4	77·8	77·8	79·6	81·7	83·0	84·0	85·0	86·2	86·6	86·3
31	80·2	79·6	79·5	79·7	79·1	78·1	78·3	80·7	83·3	84·4	85·8	86·6	87·0	86·5	86·0
Mean	77·0	76·6	76·1	75·8	75·5	75·1	75·0	76·5	79·0	81·0	82·8	84·1	84·9	84·9	84·6
Variation	—2·6	—3·0	—3·5	—3·8	—4·1	—4·5	—4·6	—3·1	—0·6	+1·4	+3·2	+4·5	+5·3	+5·3	+5·0
Mean in °C	25·0	24·8	24·5	24·3	24·2	23·9	23·9	24·7	26·1	27·2	28·2	28·9	29·4	29·4	29·2
Variation in °C	—1·4	—1·6	—1·9	—2·1	—2·2	—2·5	—2·5	—1·7	—0·3	+0·8	+1·8	+2·5	+3·0	+3·0	+2·8

APRIL.

1	77·5	77·6	77·5	77·4	76·8	75·9	77·4	78·9	81·5	82·7	85·2	86·2	87·9	87·9	87·1
2	78·6	78·1	77·6	77·1	76·4	75·8	76·1	77·7	79·9	81·1	81·5	82·9	84·6	85·2	85·2
3	78·2	78·2	77·6	77·1	76·6	76·9	78·1	79·2	80·6	81·6	83·0	83·8	85·8	86·8	86·9
4	80·0	79·8	79·5	79·4	78·5	78·2	78·9	80·1	82·1	83·5	84·9	85·5	85·5	86·1	86·2
5	79·6	79·5	79·2	78·9	78·6	78·4	78·8	80·1	82·4	84·2	85·0	85·3	85·5	85·9	85·8
6	79·9	79·5	79·5	79·5	79·2	79·1	79·2	80·5	82·1	83·2	84·2	84·8	85·5	85·3	86·0
7	79·5	79·2	79·1	79·1	78·5	78·5	79·1	80·2	81·9	83·2	84·0	84·7	85·5	85·8	86·4
8	79·7	79·5	79·3	78·7	78·2	77·9	78·4	79·8	82·5	84·5	85·2	86·1	86·1	86·3	86·5
9	79·5	79·5	78·8	78·5	78·0	77·7	77·6	79·5	82·0	83·3	84·4	85·5	86·1	86 5	86·9
10	80·9	79 9	79·0	78·5	78·4	77·7	78·0	80·1	83·2	85·5	87·3	87·4	87·3	86 5	86·1
11	78·7	78·5	78·5	78·0	77·5	77·0	77·9	79·2	81·7	83·9	85·3	86·2	87·8	87·5	87·5
12	78·8	78·5	77·8	77·5	77·5	77·3	77·5	79·0	81·2	83·0	83·5	85·0	86·0	86·3	86·1
13	79·1	79·2	78·5	78·3	78·5	78·0	78·0	79·5	81·2	83·7	85·2	85·7	86·4	86·8	86·7
14	80·4	80·1	79·5	79·4	78·7	79·0	79·3	81·0	82·7	84·2	85·2	85·5	86·0	86·1	86·6
15	80·3	80·2	79·6	79·3	79·3	79·5	79·5	80·8	82·2	83·5	85·2	85·5	86·5	86·3	86·0
16	79·5	79·6	79·1	79·1	78·8	78·5	79·2	80·5	82·7	84·4	86·0	86·1	86·6	87·5	87·5
17	79·2	78·6	78·1	78·2	78·5	78·6	79·2	81·0	83·2	84·3	84·5	85·5	86·5	87·5	88·0
18	82·0	81·5	80·1	79·5	79·5	79·1	79·5	82·2	84·5	85·0	85·4	86·1	86·9	87·5	87·6
19	81·7	81·5	81·4	81·2	80·6	80·5	81·1	82·3	84·5	85·5	86·4	86·5	87·2	87·2	87·5
20	80·6	80·2	80·1	80·0	79·7	79·5	80·2	81·7	82·7	83·7	84·5	85.7	87·5	87 5	87·5
21	80·5	79·8	79·2	79·2	78·5	78·6	79·1	81·0	83·0	84·6	85·5	86·3	87·1	87·0	87·1
22	80·6	80·4	80·5	80·0	79·5	79·1	79·2	81·0	83·0	85·2	85·6	86·2	87·1	87·2	87·2
23	79·9	79·6	79·5	79·0	78·6	78·1	79·0	80·7	82·2	83·7	84·8	85·6	86·0	86·1	86·3
24	79·1	78.5	78·5	78·8	78·5	78·0	78·9	80·5	81·6	83·0	84·0	85·2	86·0	87·0	87·2
25	79·6	79·0	78·5	78·3	78·0	77·5	78·7	80·3	82·0	82·1	84·0	85·2	86·2	87·2	87·0
26	79·2	79·2	79·1	79·2	79·2	79·3	79·6	81·0	81·5	82·2	84·2	85·5	86·0	86·0	85·9
27	79·5	79·5	79·2	79·0	78·6	79·2	79·3	80·1	81·7	82·6	84·4	85·2	86·0	86·0	85·7
28	79·4	79·4	79·3	79·2	79·0	78·5	78·7	80·5	81·7	83·6	85·0	85.5	85·9	86·0	86·0
29	79·5	79·5	79·5	79·6	79·6	79·8	79·8	81·2	82·9	84·2	85·2	85·5	85·6	85·8	86·0
30	80·5	80·5	80·6	80·5	79·7	79·5	80·5	81·9	83·6	85·1	86·2	87·2	87·3	87·5	87 5
Mean	79·7	79·5	79·1	78·9	78·6	78·4	78·9	80·4	82·3	83·7	84·8	85·6	86·3	86.6	86·7
Variation	—2·4	—2·6	—3·0	—3·2	—3·5	—3·7	—3·2	—1·7	+0·2	+1·6	+2·7	+3·5	+4·2	+4·5	+4·6
Mean in °C	26·5	26·4	26·2	26·1	25·9	25·8	26·1	26·9	27·9	28·7	29·3	29·8	30·2	30·3	30·4
Variation in °C.	—1·3	—1·4	—1·6	—1·7	—1·9	—2·0	—1·7	—0·9	+0·1	+0·9	+1·5	+2·0	+2·4	+2·5	+2·6

*Records destroyed by accidental fire. The day has been omitted for means.

Averages for sixty minutes from full hour to full hour of local mean time.)

MARCH. (IN DEGREES FAHRENHEIT.)

Hours. (B. M. T.)									Mean.		Maximum.		Minimum.		Date.
15—16	16—17	17—18	18—19	19—20	20—21	21 - 22	22—23	23—24	°F	°C	Time.	Mag.	Time.	Mag.	
											H. M.		H. M.		
81·0	80.1	78·2	76·7	76·2	75·7	75·5	75·2	74·7	76·3	24·6	14 28	82·1	3 0	72·5	1
76·5	75·1	73·5	73·2	73·4	73·5	73·4	72·9	73·1	**74·2**	**23·4**	12 50	78·5	6 40	71·4	2
															3*
															4*
															5*
84·2	83.5	81·8	80·1	78·9	78·4	78·5	78·2	77·9	79·8	26·6	14 42	85·5	6 30	75·4	6
83·2	82.2	80·1	78·2	77·8	77·2	76·8	76·5	76·1	78·6	25·9	15 5	84·1	5 0	75.5	7
79·6	79.2	78·1	76·2	75·7	75·3	74·8	74·3	73·7	76·8	24·9	12 17	82·3	6 20	72.6	8
77·6	76.4	74·0	72·7	72·1	72·0	72·1	72·0	71·9	74·4	23·6	12 34	79·5	23 20	71.7	9
80·3	79.5	78·2	77·0	76·5	76·5	75·5	73·9	72·4	75·4	24·1	12 57	81·7	6 50	70·3	10
84·2	83·3	81·1	79·4	79·0	78·3	77·1	75·8	75·2	76·7	24·8	12 29	84·8	6 30	**68.4**	11
88·0	86·2	84·2	83·4	83·4	82·0	81·0	79·3	78·0	81·7	27·6	13 20	**96·3**	2 25	73·1	12
85·5	85·5	84·9	83·8	83·3	82·4	81·6	80·2	79·3	82·3	27·9	13 12	92·5	6 50	75·4	13
89·8	88·1	84·5	82·6	81·9	81·5	80·4	80·0	79·6	82.6	28·1	11 30	92·4	4 40	75·4	14
91·8	89·2	85·9	82·8	82·2	81·6	80·5	79·8	79·1	82·3	27·9	14 50	93·6	6 5	74·5	15
85·7	84·8	83·0	81·3	80.7	79·9	79·1	78·1	77·5	80·3	26·8	13 25	86·7	6 40	73·5	16
84·5	83·2	82·1	81·6	81·8	81·4	81·0	80·1	79·1	80·5	26·9	13 45	86·0	6 40	74·6	17
83·5	82·8	81·5	80·1	79·5	78·6	78·6	78·5	78·5	79·9	26·6	14 30	84·8	6 30	75·6	18
83·2	82·3	81·0	79·8	79·1	78·6	78·5	78·0	77·5	79·8	26·6	14 40	84·0	6 10	77.2	19
83·5	82·9	81·4	79·5	78·5	77·6	77·1	76·3	75·5	79·1	26·2	14 40	84·6	5 5	74·4	20
83·0	81.9	80·5	78·8	78·0	77·6	76·9	76·3	75·8	78·0	25·6	12 30	84·7	5 0	73·1	21
84·3	84·5	83·1	81·2	80·2	79·6	78·8	77·6	77·4	78·8	26·0	16 4	85·0	5 54	72·5	22
85·5	84·8	83·0	81·0	80·0	79·3	78·6	77·8	77·3	79·5	26·4	15 40	86·0	6 20	72·5	23
85·8	85·5	83·8	82·3	81·4	80·4	79·5	79·0	79·1	80.4	26·9	13 50	87·0	6 20	74·5	24
84·8	84·6	83·4	81·4	80·2	79·3	79·6	79·5	79·3	80.9	27·2	13 31	85·5	6 28	76·6	25
84·7	83·5	82·6	81·6	81·5	81·1	81·0	80·9	80·6	80.5	26.9	15 49	85·0	5 30	75·4	26
85·8	84·5	83·1	81·7	81·2	81·0	81·0	81·0	80·7	81·9	27·7	12 50	87·0	5 50	78·5	27
87·5	87·0	85·3	83·8	83·0	82·8	82·2	81·3	81·5	**83·0**	**28·3**	13 32	88·5	6 25	78·5	28
85·0	84·5	83·2	81·7	81·5	81·7	81·0	80·6	80·2	82·0	27·8	12 50	86·6	5 20	78·0	29
84·8	83·8	82·7	81·8	81·8	81·6	81·4	81·2	80·9	81·8	27·7	13 4	87·1	6 10	77·5	30
85·0	83·7	81·8	80·5	80·0	80·0	79·5	79·0	78·0	81·8	27·7	12 2	87·5	5 55	77·6	31
84·2	83·3	81·6	80·1	79·6	79·1	78·6	78·0	77·5	79·6	26·4					Mean.
+4·6	+3·7	+2·0	+0·5	0·0	—0·5	—1·0	—1·6	—2·1							Variation.
29·0	28·5	27·6	26·7	25·4	26·2	25·9	25·6	25·3							Mean in °C.
+2·6	+2·1	+1·2	+0·3	0·0	—0·2	—0·5	—0·8	—1·1							Variation in°C.

APRIL.

86.6	85·2	83·2	81·6	81·4	80·8	80·5	79·5	78·6	81·5	27·5	12 55	**88·5**	5 38	75·8	1
84·9	84·1	82·5	80·6	79·7	79·6	79·4	78·5	78·5	**80·2**	**26·8**	14 35	85·8	6 10	75·5	2
87·3	84·9	83·5	81·8	81·2	80·8	80·2	79·6	80·1	82·1	27·3	14 5	87·5	5 23	76·4	3
85·3	84·9	83·5	82·2	81·5	80·5	80·3	80·5	80·5	82·0	27·8	12 9	86·5	5 40	78·0	4
84·8	84·6	83·3	81·8	81·4	81·0	80·8	80·5	80·3	81.9	27·7	14 8	86·5	5 40	78·2	5
85·8	85·0	83·1	81·6	81·1	80·5	80·3	80·1	79·6	81·9	27·7	14 0	86·5	6 2	78·9	6
85·8	85·0	83·5	81·7	80·9	80·5	80·5	80·3	80·2	81·8	27·7	14 40	86·5	5 30	78·4	7
86·1	85·2	83·8	82·3	81·5	81·5	80·5	80·2	79·8	82·1	27·8	15 20	86·6	6 4	77·5	8
86·3	85·9	84·8	83·6	82·6	82·3	82·2	82·2	81·7	82·3	27·9	13 32	87·5	6 5	77·5	9
85·7	85·0	84·0	82·2	81·0	79·9	79·5	79·5	78·9	82·1	27·8	12 10	87·6	6 0	77·4	10
86·1	85.0	83·7	81·8	81.2	80·6	80·4	79·8	79·5	81·8	27·7	12 38	88·2	5 50	76·5	11
85.5	84.2	82·5	81·0	80·5	79·5	79·5	79·5	79·2	81·1	27·3	14 10	87·2	5 50	77·1	12
86·2	85·5	84·2	82·5	81·7	81·0	80·5	80·5	80·5	82·0	27·8	12 56	87·3	6 20	77·5	13
86·5	85.8	84·2	82·5	81·9	81·5	81·2	81·6	81·5	82·5	28·1	14 44	87·0	4 40	78·5	14
86·4	85·8	84.0	82·4	81·5	81·2	80·5	80·5	80·0	82·3	27·9	13 15	86·8	3 45	79·1	15
87·5	86.2	84·2	82·7	82.0	81·5	81.2	80·5	79·6	82·5	28·1	14 40	87·8	3 0	78·4	16
88·3	87.7	86·2	84·5	83·5	82·7	83·0	82·6	82·2	83·0	28·3	14 55	88·5	2 20	77·8	17
87·0	86.3	85·4	84·2	83·6	83·2	82·6	82.5	82.3	**83·5**	**28.6**	13 50	87·9	5 50	78·5	18
86·5	85.4	84·2	82·5	82.2	81·6	81·3	81.1	81·1	83·4	28·6	14 29	87·7	5 0	80·4	19
86·9	86.0	84·3	83·0	82·0	81·6	81.3	81·2	80·8	82·8	28·2	14 27	87·6	3 0	79·4	20
86.1	85·0	83.5	82·0	81·5	81·3	81·0	80·7	80·7	82·4	28·0	13 0	87·6	4 40	78·3	21
86.2	85.0	83·6	82·1	81·5	81·3	81·2	80.8	80·3	82·7	28·2	14 40	88·0	6 0	78·6	22
86.3	85.6	84.2	82·5	81·7	81·2	80·5	79.7	79·5	82·1	27·8	14 2	86·6	5 40	78·0	23
86.3	85.9	84·5	83·0	82·4	81·6	81·4	81·0	80·5	82·1	27.8	14 15	88·0	5 50	77·9	24
86.0	84.9	83·3	81·8	81·2	80·2	79·7	79·5	79·5	81·7	27·6	13 0	87·5	5 45	77·4	25
85.6	84.7	83.2	81·6	81·2	80·5	80·3	79·7	79·5	81·8	27·7	13 30	86·6	6 5	78·7	26
85.1	84.2	82·7	81·3	80·5	80·2	80·0	79·5	79·5	81·6	27·6	13 30	86.5	4 2	78·5	27
85 5	84.5	82·9	81·5	80·5	80.2	79·8	79·5	79·5	81·7	27.6	14 20	86·5	5 54	78·3	28
85.5	84.3	82·7	81·5	81·0	80.5	80·5	80·5	80·5	82·1	27.8	12 54	86·5	6 20	79·4	29
87.5	87.0	85·5	83·5	82·8	82.2	82·0	82·0	82·5	83·5	28·6	15 43	87·7	5 50	79·4	30
86·2	85·3	83·8	82·2	81·6	81·0	80·7	80·5	80·2	82·1	27·8					Mean.
+4·1	+3·2	+1·7	+0·1	—0·5	—1·1	—1·4	—1·6	—1·9							Variation.
30·1	29·6	28·8	27·9	27·6	27·2	27·1	26·9	26·8							Mean in °C.
+2·3	+1·8	+1·0	+0·1	—0·2	—0·6	—0·7	—0·9	—1·0							Variation in°C

(Averages for sixty minutes from full hour to full hour of local mean time.)

MAY. (IN DEGREES FAHRENHEIT.)

Date.	Hours (B. M. T.)														
	0—1	1—2	2—3	3—4	4—5	5—6	6—7	7—8	8—9	9—10	10—11	11—12	12—13	13—14	14—15
1	82·0	81·2	80·5	80·1	80·8	81·0	81·2	82·0	83·0	84·3	85·5	86·7	87·3	87·5	87·5
2	81·0	80·5	79·7	79·7	80·0	79·9	80·2	81·5	84·0	84·6	85·2	86·3	87·3	87·9	87·8
3	81·0	80·5	80·4	80·5	80·5	80·5	80·9	82·5	84·6	85·4	86·1	86·7	87·0	87·2	87·0
4	80·5	80·6	80·5	80·5	80·0	**79·6**	80·1	81·4	83·3	84·3	85·8	86·3	87·1	87·5	87·4
5	81·5	81·5	80·9	80·5	80·1	79·9	80·5	82·0	84·5	85·5	86·5	87·4	87·8	88·2	87·8
6	81·4	81·1	81·0	80·6	80·4	79·9	80·5	82·0	84·0	85·0	85·8	86·5	87·9	88·6	88·8
7	81·4	81·2	80·8	80·0	79·8	80·0	81·0	82·3	84·5	85·6	86·1	86·6	87·5	87·9	87·9
8	81·8	81·5	81·4	81·4	80·8	80·6	81·5	83·1	84·6	85·7	86·5	87·3	87·5	88·4	88·7
9	82·3	82·0	81·4	81·0	80·6	80·5	81·6	82·8	84·2	85·5	86·5	87·5	88.0	89·0	89·0
10	83·0	82·5	82·3	82·1	82·0	81·7	82·2	83·2	85·1	85·7	86·7	87·3	88·0	88 4	88·5
11	81·5	80·9	80·5	81·0	81·5	81·6	82·5	84·1	86·0	86·9	88·0	88·4	88·6	88·6	88·0
12	82·1	82·0	81·6	81·4	80·8	80·4	80·9	82·0	85·0	87·0	87·5	88·3	88·5	88·6	88·8
13	82·6	82·4	82·0	81·9	81·6	81·5	82·3	84·0	86·1	87·9	88·6	89·0	89 0	89·4	89·0
14	82·6	82·5	82·0	81·7	81·9	81·5	82·2	83·7	85·7	87·1	88·2	88·6	89·1	89·0	89·0
15	83·0	82·7	82·5	82·3	82·3	82·3	83·0	84·5	85·1	86.1	88·2	89·2	89·6	89·5	89·5
16	83·0	82·6	82·8	82·5	82·3	82·4	83·1	84·5	86·0	87·4	88·1	88·5	88·6	89·9	89·3
17	83·5	83·4	82·9	82·0	81·5	81·5	82·4	83·5	84·1	84·7	85·9	86·3	86·9	86·5	86·0
18	83·5	83·5	83·3	82·8	82·2	82·5	83·0	83·5	85·2	86·9	87·6	87·4	88·0	87·1	87·0
19	83·5	83·5	83·1	82·5	82·1	81·6	82·5	83·5	84·9	85·7	86·5	87·0	88·0	88·2	89·4
20	83·0	82·8	82·7	82·8	82·6	82·6	83·2	84·8	85·4	86·6	88·3	89·5	90·0	90·1	90·3
21	84·1	84·0	83·7	83.9	83·7	83·6	84.0	84·7	86·0	87·9	88·6	89·4	90·2	90·2	90·0
22	84·1	84·0	83·8	83·6	83·6	83·5	84·0	84·6	86·3	87·7	89·0	89·5	90·2	90·2	90·2
23	83·3	83·3	83·1	83·0	83·0	82·9	83·4	84·4	85·6	86·9	88·4	89·1	89·4	89·7	89·5
24	84·4	84·2	84·0	83·9	83·6	83·5	83·9	85·0	86·5	87.5	88·5	89·1	89·7	90·2	90·1
25	84·4	84·0	83·9	83·6	83·5	83·4	84·1	84·9	86·1	87·3	88·2	89·0	89·3	89·8	90·2
26	84·5	84·5	84·4	84·1	84·0	83·9	84·4	85·0	85·5	86·0	87·3	88·7	89·3	89·1	89·0
27	85·0	84·8	84·7	84·6	84·5	84·5	84·6	85·0	85·6	86·5	87·5	87·8	89·5	90·3	90·1
28	84·5	84·5	84·5	84·4	84·1	84·0	84·4	85·1	87·0	87·9	88·9	89·4	90·0	90·0	90·0
29	84·6	84·3	84·2	84·0	84·0	84.0	84·0	84·9	87·0	88·0	89·1	89·5	89·8	90·0	**90·5**
30	84·5	84·4	84·2	84·0	83·5	83·6	84·1	83·0	84·3	82·9	85·5	86·9	87·9	88·1	88·1
31	84·2	84·2	84·1	83·5	82·5	82·2	82·4	83·0	84·3	85·5	88·0	89·0	89·2	89·5	89·5
Mean.	83·0	82·7	82·5	82·3	82·1	**82·0**	82·5	83·6	85·1	86·2	87·3	88·0	88·6	**88·9**	88·8
Variation.	—2·0	—2·3	—2·5	—2·7	—2·9	**—3·0**	—2·5	—1·4	+0·1	+1·2	+2·3	+3·0	+3·6	**+3·9**	+3·8
Mean in °C.	28·3	28·2	28·1	27·9	27·8	**27·8**	28·1	28·7	29·5	30·1	30·7	31·1	31·4	**31·6**	31·6
Variation in °C.	—1·1	—1·2	—1·3	—1·5	—1·6	**—1·6**	—1·3	—0·7	+0·1	+0·7	+1·3	+1·7	+2·0	**+2·2**	+2·2

JUNE.

1	84·6	84·5	84·1	84·4	84·3	84·1	84·5	85·4	85·0	87·3	88·5	89·5	**90·0**	90·0	89·7
2	84·0	83·3	83·9	83·7	82·0	82.6	83·5	84·4	85·1	86·1	86·7	88·3	89·1	89·5	89·5
3	84·1	82·7	83·5	82·5	82·7	81·8	82·9	84·1	85·4	86·5	87·5	88·3	88·2	88·6	88·5
4	81·4	82.0	82·6	82·8	82·0	82·7	82·7	84·0	82·5	81·8	83·5	82·8	80·3	80·2	80·8
5	80·0	80·5	80·7	81·0	81·2	81·4	81·6	80·6	81·6	82·7	84·7	86·7	86·7	86·5	86·2
6	83·4	83·5	83·3	82·9	83·0	83·0	83·1	83·4	85·6	86·7	87·5	88·1	88·1	88·2	88·5
7	84·0	83·2	83·5	83·5	83·5	83·5	83·6	84·3	86·1	87·0	87·9	88·1	88·7	88·7	88·2
8	84·1	84·0	84·0	83·6	83·5	83·5	83·7	84·6	85·6	86·3	87·3	88·2	88·2	88·5	88·1
9	84·0	83·9	83·5	83·4	83·1	82·0	83·1	84·3	85·7	86·5	87·9	88·4	88·0	86·0	87·1
10	83·6	83·5	83·5	83·1	83·0	83·0	81·9	82·5	85·0	86·3	87·5	88·4	89·0	89·2	89·5
11	83·8	83·5	83·5	83·5	83·5	83·0	83·6	84·6	86·0	80·8	84·4	86·0	86·3	87·4	87·4
12	78·8	78·4	78·0	77·2	77·0	76·5	76·8	77·3	76·2	76·5	76·9	76·3	76·5	76·6	76·5
13	78·1	79·0	79·4	79·1	79·5	79·8	79·0	79·0	80·5	82·3	83·6	84·5	85·0	85·4	85·2
14	81·5	81·4	78·5	77·0	78·9	79·5	79·6	77·6	79·7	81·0	82·3	83·7	85·9	86·6	86·0
15	82·4	82·3	82·2	82·0	81·8	81·5	82·1	83·1	84·1	85·1	85·9	85·1	86·0	85·7	85·6
16	83·0	82·9	82·6	82·5	82·5	82·5	83·0	83·5	83·9	84·5	84·9	85·4	85·7	86·5	86·8
17	82·5	82·2	81·8	81·6	81·4	81·5	81·6	81·9	81·4	81·9	83·0	83·7	84·2	84·4	84·2
18	81·5	81·5	81·5	81·4	80 5	79·5	79·1	79·3	79·6	79·4	80·2	81·8	82·5	81.0	81·5
19	81·3	81·0	80·6	80·5	79·8	79·8	80·5	81·5	82·7	84·0	85·2	86·0	86·3	86·4	86·7
20	83·1	82·6	82·5	82·5	82·5	82·5	82·5	82·5	84·0	85·5	86·0	85·8	86·2	86·6	86·5
21	83·2	83·2	83.1	81·8	81·7	81·6	79·8	78·9	78·5	79·0	81·5	82·3	83·1	83·5	84·3
22	78·3	78·0	77·3	77·0	76·7	76·7	76·7	76·9	77·1	77·0	74·4	76·5	77·3	77·5	77·5
23	77·5	78·2	77·6	77·5	77·6	77·2	78·4	78·7	78·0	79·1	79·2	78·8	80·2	78·2	78·5
24	79·0	79·2	79·8	79·7	78·2	78·7	78·5	78·9	79·5	78·4	78·6	79·3	80·7	81·8	82.5
25	82·3	81.9	81·7	81·0	81·4	81·6	81·9	82·0	83·0	82·8	84·9	84·0	85·4	84·9	85·1
26	80·2	80·0	78.9	77·0	78·4	78·7	78·8	79.4	76·9	77·6	78·7	79.7	80·4	80·6	80·6
27	78·9	79·4	80·0	80·2	79·9	79·0	78·0	77·0	74·2	**72·6**	73·2	74·1	76·0	76·6	76·8
28	75·5	76·0	76·0	76·0	75·7	76·5	77·1	77.7	78·5	78·7	77·2	77·3	77·5	76·8	76·5
29	81·0	80·8	80·8	81·0	81.0	81·0	81·2	81·5	81·2	82·1	83·4	83·8	84·4	84.6	84·4
30	81·4	81·0	80·3	80·8	81·0	81·3	81·4	82·0	82·9	83·7	83·8	83·6	83·8	84·2	84·4
Mean.	81·5	81·5	81·3	81·0	80·9	**80·9**	81·0	81·4	81·8	82·3	83·2	83·8	84·3	84.4	**84·4**
Variation.	—0·9	—0·9	—1·1	—1·4	—1·5	**—1·5**	—1·4	—1·0	—0·6	—0·1	+0·8	+1·4	+1·9	+2·0	**+2·0**
Mean in °C.	27·5	27·5	27·4	27·2	27·2	**27·2**	27·2	27·4	27·7	27·9	28·4	28·8	29·1	29·1	**29·1**
Variation in °C.	—0·5	—0·5	—0·6	—0·8	—0·8	**—0·8**	—0·8	—0·6	—0·3	—0·1	+0·4	+0·8	+1·1	+1·1	**+1·1**

(Averages for sixty minutes from full hour to full hour of local mean time.)

MAY. (IN DEGREES FAHRENHEIT.)

Hours (B. M. T.).									Mean.		Maximum.		Minimum.		Date.
15--16	16—17	17—18	18—19	19—20	20—21	21—22	22—23	23—24	°F	°C	Time.	Mag.	Time.	Mag.	
											H. M.		H. M.		
87·3	86·1	84 6	83·2	82·6	82·4	82·2	81·7	81·4	83·4	28·6	13 40	88·0	3 50	79·7	1
87·0	85·7	84·5	83·0	82·5	82·1	82·0	81·5	81·5	83·1	28·4	13 20	88·5	3 10	**79·2**	2
87·5	86·3	84·8	83·0	82·4	81·8	81·5	81·2	81·0	83·3	28·5	13 40	87·6	2 20	80·3	3
86·7	85·5	84·1	82·8	82·1	82·0	81·9	81·9	81·6	**83·1**	**28·4**	13 45	88·3	5 47	79·5	4
87·4	86·5	85·1	83·5	83·0	82·5	82·3	82·0	81·6	83·7	28·7	14 10	88·6	5 20	79·7	5
88·1	86·5	81·9	83·4	82·7	82·5	82·4	82·1	81·5	83·7	28·7	13 34	89·5	5 40	79·6	6
87·3	86·9	85·8	84·3	83·5	83·0	82·5	82·2	82·0	83·8	28·8	14 8	88·5	5 0	79·5	7
88·5	87·2	85·8	84·2	83·6	83·5	83·2	82·9	82·7	84·3	29·1	14 30	89·1	5 15	80·4	8
88.5	87·4	86·0	84·7	84·4	84·0	83·6	83·4	83·1	84·5	29·2	13 55	89·6	5 0	80·4	9
88·0	87·7	86·4	84·0	83·4	83·1	82·8	82·4	82·0	84·5	29·2	14 52	89·0	5 35	81·5	10
88·3	87·6	85·9	84·0	83·3	82·7	82·5	82·5	82·4	84·5	29·2	12 15	89·1	2 10	80·2	11
88·5	88·0	87·0	85·0	84·5	84·0	83·6	83·2	83·0	84·7	29·3	12 54	89·0	5 30	80·2	12
88·7	88·0	86·5	85·1	84·5	84·0	83·7	83·4	83·2	85·2	29·6	13 30	89.6	4 15	81·4	13
88·6	88·0	86·5	85·2	84·7	84·4	84·2	83·8	83·5	85·2	29·6	13 53	89·5	5 52	81·4	14
88·7	87·7	86·6	85·5	84·7	84·2	83·9	83·4	83·4	85·3	29·6	12 55	89·9	3 40	82·1	15
89·0	87·8	86·2	84.8	84·1	84·0	84·0	84·0	83·6	85·4	29·7	13 57	90·4	4 45	82·3	16
85·6	85·3	84·6	84·0	83·7	83·6	83·6	83·5	83·5	84·1	28·9	12 35	87·2	5 30	81·4	17
86·7	87·2	86·2	85·2	84·6	84·4	84·1	83·6	83·5	85·0	29·4	10 2	88·5	4 35	82·0	18
89·1	88·0	86·5	85·1	84·5	84·0	84·0	83·5	83·3	85·0	29·4	14 30	90·0	5 30	81·5	19
90·0	88·5	87·1	86·0	85·5	85·0	84·7	84·5	84·4	85·9	29·9	14 20	90·8	5 20	82·5	20
89·0	87·9	86·5	85·5	85·1	84·7	84·5	84·4	84·4	86·1	30·1	14 10	90·6	2 50	83·5	21
89·8	88·9	87·0	85·3	84·9	84·4	84·0	83·8	83·5	86·1	30·1	13 10	**91·0**	5 30	83·4	22
89·3	88·7	87·5	86·0	85·5	84·9	84·9	84·7	84·5	85·9	29·9	13 10	89·9	5 20	82·7	23
89·5	88·9	87·8	86·5	85·8	85·3	85·1	84·9	84·6	86·4	30·2	14 13	90·6	5 50	83·4	24
89·2	88·9	87·5	86·5	86·0	85·5	85·4	85·0	84·8	86·3	30·2	13 55	90·5	5 50	83·3	25
88·7	87·9	87·5	86·4	86·0	85·6	85·5	85·3	85·1	86·2	30·1	12 22	89·7	5 15	83·8	26
90·0	89·2	87·6	86·5	85·8	85·4	85·0	85·0	84·9	86·4	30·2	13 45	90.6	5 30	84·3	27
90·0	89·5	88·4	87·0	86·3	85·8	85·5	85·3	85·0	**86·7**	**30·4**	12 15	90.5	5 30	83·9	28
89·7	88·2	87·0	86·1	85·6	85·1	84·6	84·6	84·6	86·4	30·2	14 37	90·6	6 45	83·9	29
87·9	87·5	86·9	85·7	85·3	84·8	84·6	84·5	84·5	85·3	29·6	13 55	88·4	9 27	82·4	30
89·5	89.1	88·1	86·9	86·4	85·9	85·5	85·4	85·1	86·0	30·0	13 55	90·0	5 10	82·1	31
88·5	87·6	86·4	85·0	84·4	84·0	83·8	83·5	83·3	85·0	29·4					Mean.
+3·5	+2·6	+1·4	0·0	—0·6	—1·0	—1·2	—1·5	—1·7							Variation.
31·4	30·9	30·2	29·4	29·1	28·9	28·8	28·6	28·5							Mean in °C.
+2·0	+1·5	+0·8	0·0	—0·3	—0·5	—0·6	—0·8	—0·9							Variation in °C

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89·5	89·0	87·6	85·9	84·7	84·0	84·4	83·1	84·0	**86·2**	**30·1**	12 55	**90·5**	22 0	82·2	1
88·7	88·9	87·8	86·5	85·5	85·0	84·7	84·6	84·5	85·7	29·8	14 2	90·0	4 22	80·6	2
88·1	87·6	86·6	85·2	84·2	84·3	84·0	83·8	83·8	85·2	29·6	15 4	88·8	5 30	80·5	3
81·6	81·0	80·7	79·0	78·8	79·4	80·1	79·4	81·0	81·4	27·4	8 15	84·6	19 50	78·4	4
86·6	85·7	84·9	84·5	84·4	84·3	84·1	83·9	83·6	83·5	28·6	13 10	87·7	0 35	78·5	5
88·1	87·8	87·0	85·7	85·1	84·6	84·5	84·4	84·0	85·4	29·7	12 40	88·7	3 25	82·5	6
88·0	87·6	86·9	85·8	85·2	84·7	84·6	84·5	84·4	85·6	29·8	13 55	89·1	1 33	82·5	7
87·0	86·9	86·3	85·2	84·9	84·6	84·2	84·5	84·4	85·5	29·7	14 10	88·9	5 20	83·4	8
87·8	87·4	86·5	85·0	84·6	84·4	84·1	84·0	83·6	85·2	29·6	12 43	89·4	5 30	81·2	9
89·3	88·5	87·3	85·9	85·1	84·7	84·5	84·4	84·3	85·5	29·7	14 10	89·9	6 45	80·0	10
87·4	87·0	86·1	84·3	84·4	83·5	83·7	82·0	80·0	84·4	29·1	13 55	87·8	9 14	79·3	11
77·1	77·1	77·4	77·4	77·5	78·1	79·3	78·7	77·5	77.3	25·2	21 55	79·7	5 10	76·0	12
84·9	82·0	80·5	81·3	81·1	80·8	81·0	81·6	81·5	81·4	27·4	14 5	85·7	0 35	77·9	13
85·6	86·1	85·0	82·8	83·0	82·5	82·6	82·6	82·5	82·2	27·9	14 26	87·5	3 0	75·6	14
85·5	84·6	84·0	84·0	83·7	83·4	83·4	83·4	83·3	83·8	28·8	12 45	87·0	5 20	81·4	15
86·0	85·0	84·3	83·4	82·0	82·1	82·1	82·9	82·9	83·8	28·8	14 30	87·1	19 0	80·3	16
84·1	83·6	83·1	82·5	82·5	82·5	82·4	82·1	82·0	82·6	28·1	13 10	84·4	7 50	80·8	17
81·9	81·8	81·5	81·5	81·1	80·8	80·5	81·0	81·4	80·9	27·2	12 10	83·1	7 25	78·5	18
86·6	86·1	85·5	84·5	84·0	83·6	83·5	83·5	83·5	83·5	28·6	15 20	87·1	4 50	79·4	19
86·9	85·8	85·0	84·4	84·0	83·6	83·4	83·1	82·9	84·2	29·0	15 29	87·5	7 5	82·3	20
84·1	83·5	82·9	82·4	80·8	78·5	79·1	78·5	78·0	81·4	27·4	14 25	84·5	23 20	77·6	21
78·6	79·0	79·7	80·3	79·8	78·4	79·5	77·1	76·5	77·7	25·4	19 40	80·6	10 20	74·0	22
79·5	80·1	79·7	79·5	79·6	79·0	77·8	78·7	78·7	78·6	25·9	12 14	81·0	5 10	76·5	23
83·1	83·0	82·9	82·5	82·5	82·4	82·3	82·4	82·4	80·7	27·1	15 16	83·5	6 45	77.5	24
84·6	83·3	82·2	82·2	81·2	80·2	80·9	80·5	80·8	82·5	28·1	12 50	85·9	20 40	79.0	25
78·5	78·0	78·9	78·4	78·5	79·0	79·2	78·7	78·9	78·9	26·1	14 50	81·1	8 2	76·0	26
77·0	73·0	72·8	73·3	73·5	74·0	74·5	74·8	75·2	**76·0**	**24·4**	4 15	80·5	4 25	**72·4**	27
78·2	80·1	80·6	80·9	81.1	81·0	81·0	80.9	80·9	78·2	25·7	19 30	81·3	4 35	75·4	28
84·3	84·1	83·5	82·5	82·2	82·0	81·7	81·5	81·5	82·3	27·9	13 10	85·0	2 15	80·4	29
83·1	82·4	82·0	81·5	82·0	82·2	82·1	82.0	82·0	82·3	27·9	13 55	84·7	2 10	79·6	30
84·4	83·9	83·3	82·6	82·2	81·9	82·0	81·8	81·7	82·4	28·0					Mean.
+2·0	+1·5	+0·9	+0·2	—0·2	—0·5	—0·4	—0·6	—0·7							Variation.
29·1	28·8	28·5	28·1	27·9	27·7	27·8	27·7	27·6							Mean in °C.
+1·1	+0·8	+0·5	+0·1	—0·1	—0·3	—0·2	—0·3	—0·4							Variation in °C

(Averages for sixty minutes from full hour to full hour of local mean time.)

JULY. (IN DEGREES FAHRENHEIT.)

Date.	Hours (B. M. T.).														
	0—1	1—2	2—3	3—4	4—5	5—6	6—7	7—8	8—9	9—10	10—11	11—12	12—13	13—14	14—15
1	81·7	81·6	81·5	81·4	81·4	81·6	81·9	82·0	80·6	82·6	83·5	84·3	85·1	84·9	85·4
2	80·4	81·2	81 4	81·4	81·4	81·5	81·6	81·6	82·1	82·6	83·5	83·5	84·0	84·8	84·7
3	80·1	79·2	80·4	80·4	79·9	80·1	79·9	80·7	81·5	82·3	83·0	82·4	81·9	81·9	81·5
4	81·0	80·0	80·6	80·7	80·7	80·6	80·0	81·5	82·7	83·5	84·3	84·8	85·2	85·4	85·4
5	81·4	81·2	80·5	80·6	80·6	80·6	81·0	81·5	82·3	83·0	84·0	84·6	85·1	85·0	85·4
6	81·6	81·2	80·8	80·4	81·0	81·0	81·3	81·8	83·1	84·0	84·4	83·9	84·8	84·7	84·3
7	81·3	81·5	81·0	80·6	80·3	80·5	80·7	81·5	32·5	83·5	84·1	84·5	85·0	85·0	85·0
8	81·0	80·3	79·5	80·0	80·6	80·9	81·3	80·8	82·4	82·9	83·8	84·0	84·5	84·8	84·0
9	81·1	79·9	79·4	80·5	81·4	81·5	81·6	81·6	81·4	81·7	83·2	84·7	85·4	85·4	85·3
10	82·0	82·0	82·0	82·0	82·0	81·7	80·1	80·5	82·3	83·5	83·6	84·5	84·6	84·4	84·9
11	81·7	81·8	81·9	81·5	80·3	80·0	81·0	81·5	80·8	81·5	83·5	81·6	84·0	85·0	85·2
12	81 5	81·5	80·0	80·9	81·4	81·5	81·6	82·2	82·3	83·4	83·0	83·5	85·3	84·2	84·1
13	82·0	82·0	80·2	79·3	80·5	80·6	81·5	82·0	82·5	81·2	78·7	80·0	82·5	84·1	84·4
14	81·6	81·5	81·2	81·0	81·0	81·2	81·5	32·0	83·0	83·2	84·6	84·9	84·7	85·7	85·4
15	81·7	81·5	81·5	81·3	81·3	81·4	81·5	82·0	83·7	84·1	82·2	82·6	83·0	83·8	84·4
16	81·5	81·4	81·1	81·1	81·1	81·1	81·4	80·3	81·8	83·1	84·3	85·0	85·0	84·9	84·8
17	81·6	81·6	81·3	80·8	80·5	80·0	81·0	81·6	82·7	83·1	83·4	82·9	83·7	84·6	85·0
18	82·1	81·9	81·9	82·0	81·7	81·7	81·7	82·4	80·9	80·0	79·0	82·3	84·0	84·1	83·6
19	80·0	80·2	81·0	81·1	81·3	81·2	81·5	81·8	82·0	82·9	84·2	84·6	84·6	84·5	84·2
20	81·4	81·5	81·5	81·3	81·4	81·4	81·1	81·0	82·0	82·5	83·2	81·6	80·5	79·0	80·3
21	80·3	80·6	80·5	80·8	81·0	80·9	81·0	81·1	81·2	82·0	82·6	83·0	83·1	83·0	82·3
22	79·9	79·4	79·1	78·8	78·4	78·0	78·0	78·4	79·4	79·8	80·0	80·6	81·0	82·0	80·5
23	78·2	79·0	79·3	79·3	79·5	79·7	80·1	80·0	80·9	82·0	82·6	83·5	83·5	84·2	84·0
24	80·2	80·5	79·5	79·9	80·4	80·5	80·5	81·0	81·6	82·3	83·2	83·5	84·0	84·0	82·6
25	79·4	79·6	80·1	80·0	79·8	79·1	79·4	80·5	81·1	82·2	83·3	83·7	82·2	84·1	84·2
26	79·4	80·0	80·5	80·4	80·0	80·2	80·5	80·4	80·2	81·3	82·3	83·8	84·3	84·2	84·3
27	78·7	78·5	79·0	79·8	80·3	80·5	80·8	80·2	81·1	82·0	83·5	84·0	82·9	84·1	84·5
28	81·0	81·0	81·0	80·9	80·2	80·6	81·0	81·8	82·4	83·6	83·6	83·8	84·3	84·1	84·1
29	80·7	80·5	80·5	80·5	79·4	79·7	80·3	80·7	81·4	82·8	84·1	84·4	82·1	82·8	83·9
30	78·6	78·8	78·6	78·4	79·3	79·5	79·9	80·5	80·5	81·2	80·8	81·5	81·6	82·8	83·8
31	80·5	80·0	79·1	79·5	78·5	77·7	79·5	80·5	81·1	81·7	82·5	82·3	81·2	81·1	82·4
Mean . .	80·8	80·7	80·5	80·5	80·5	80·5	80·8	81·1	81·7	82·4	83·0	83·4	83·6	84·0	84·0
Variation. .	—1·1	—1·2	—1·4	—1·4	—1·4	—1·4	—1·1	—0·8	—0·2	+0·5	+1·1	+1·5	+1·7	+2·1	+2·1
Mean in °C .	27·1	27·1	26·9	26·9	26·9	26·9	27·1	27·3	27·6	28·0	28·3	28·6	28·7	28·9	28·9
Variation in °C .	—0·6	—0·6	—0·8	—0·8	—0·8	—0·8	—0·6	—0·4	—0·1	+0·3	+0·6	+0·9	+1·0	+1·2	+1·2

AUGUST.

1	80·2	80·0	80·1	80·5	80·6	80·6	81·0	81·5	82·2	82·5	82·2	82·5	82·6	82·9	83·0
2	81·0	80·8	80·9	80·8	80·5	80·3	80·5	79·8	78·5	80·5	81·5	81·5	82·3	82·2	81·6
3	79·3	79·9	80·0	80·0	80·3	80·4	80·5	81·0	81·5	82·1	83·1	83·6	83·8	84·4	84·0
4	78·6	79·1	79·0	79·2	78·3	79·4	79·3	79·3	81·0	81·6	82·7	82·9	80·2	82·5	83·5
5	79·5	80·0	80·0	80·1	80·0	80·0	79·7	80·5	80·6	81·9	82·5	82·0	82·0	82·4	82·4
6	78·1	78·1	78·7	78·1	78·1	78·6	78·6	78·6	78·9	77·8	79·5	80·4	81·6	80·3	78·9
7	78·6	78·3	78·0	77·7	79·0	79·4	79·6	80·0	81·5	82·1	82·8	83·1	83·0	83·5	82·8
8	79·1	79·8	80·0	80·0	80·1	78·0	79·0	80·2	80·4	82·0	82·7	83·4	84·1	83·6	83·6
9	80·0	80·3	80·5	80·5	80·5	80·5	80·5	80·8	81·5	82·5	83·1	83·7	83·9	84·0	84·4
10	80·4	80·4	80·3	80·4	80·2	80·2	80·5	80·6	79·8	78·6	80·4	81·2	82·5	84·0	84·2
11	79·6	79·6	79·8	79·7	79·9	79·9	80·0	80·6	81·5	82·5	83·5	83·9	84·3	84·4	84·3
12	79·5	79·5	79·5	79·5	79·5	79·6	79·9	80·6	81·5	82·7	83·9	84·5	84·8	85·4	85·5
13	80·6	80·5	80·5	80·3	80·1	80·4	80·5	81·1	82·1	82·8	83·6	83·2	84·2	85·0	85·0
14	80·0	79 3	78·6	78·6	78·6	79·0	79·5	80·2	81·5	82·9	83·0	83·5	84·0	84·8	84·5
15	78·5	77·9	77·6	77·6	77·5	78·0	78·1	78·3	78·1	80·2	81·6	81·2	81·9	82·3	83·0
16	79·5	80·0	80·0	79·9	79·1	79·3	79·5	80·5	81·2	82·0	83·1	83·0	82·1	82·5	83·0
17	80·6	80·5	80·5	80·5	80·4	80·4	79·8	79·6	81·0	82·3	82·2	82·7	81·8	83·0	83·4
18	80·7	80·7	80·4	80·1	80·0	79·5	79·8	80·7	81·8	82·7	83·5	84·0	84·6	84·6	84·3
19	80·5	80·5	80·5	79·6	78·2	79·0	80·0	80·5	80·4	80·7	80·5	81·8	81·1	81·7	81·0
20	80·3	80·2	80·0	79·9	79·9	80·0	80·0	80·4	81·6	82·5	83·1	83·1	83·5	83·3	83·0
21	79·3	79·5	79·0	79·2	79·5	79·4	78·1	77·2	79·2	80·5	82·1	83·0	83·1	83·3	83·2
22	79·5	78·1	76·6	78·1	78·9	79·2	79·5	80·1	81·0	81·8	81·2	79·1	80·5	81·1	79·3
23	79·5	79·4	79·4	79·4	79·4	79·5	79·6	80·0	81·3	82·5	83·4	83·5	84·2	84·2	83·7
24	79·5	79 6	79·5	79·5	79·3	79·3	79·3	80·2	81·5	81·3	81·9	83·5	83·7	84·4	84·4
25	79·5	79·1	79·0	79·0	79·0	79·2	79·4	79·1	81·0	82·0	83·1	83·5	83·3	83·9	83·0
26	80·1	80·0	79·9	79·8	79·7	79·7	79·8	80·6	81·7	82·7	83·8	83·1	82·4	83 9	84·2
27	79·0	77·6	78·2	79·0	79·3	79·4	79·5	79·6	81·0	82·1	82·8	83·6	83·6	84·1	84·5
28	80·0	79·9	79·7	79·6	79·6	79·5	77·9	78·3	77·1	77·9	80·3	82·2	83·9	83·1	83·7
29	79·6	79·6	79·0	78·0	77·3	77·2	75·9	77·2	79·5	80·1	79·5	79·8	80·4	81·5	81·8
30	78·7	79·0	78·8	78·6	78·5	78·6	79·2	79·6	80·5	81·5	82·0	82·6	82·8	83·0	82·8
31	79·5	79·5	79·5	79·5	79·5	79·5	79·5	80·2	81·4	82·0	82·6	83·9	84·4	84·2	84·0
Mean . .	79·6	79·6	79·5	79·4	79·4	79·5	79·5	79·9	80·7	81·5	82·3	82·7	82·9	83·3	83·2
Variation. .	—1·3	—1·3	—1·4	—1·5	—1·5	—1·4	—1·4	—1·0	—0·2	+0·6	+1·4	+1·8	+2·0	+2·4	+2·3
Mean in °C .	26·4	26·4	26·4	26·3	26·3	26·4	26·4	26·6	27·1	27·5	27·9	28·2	28·3	28·5	28·4
Variation in °C.	—0·8	—0·8	—0·8	—0·9	—0·9	—0·8	—0·8	—0·6	—0·1	+0·3	+0·7	+1·0	+1·1	+1·3	+ —

(Averages for sixty minutes from full hour to full hour of local mean time.)

JULY. (IN DEGREES FAHRENHEIT.)

Hours (B. M. T.).									Mean.		Maximum.		Minimum.		Date.
15—16	16—17	17—18	18—19	19—20	20—21	21—22	22—23	23—24	°F.	°C.	Time.	Mag.	Time.	Mag.	
											H. M.		H. M.		
85·1	84·3	83·5	82·8	82·5	81·0	80·9	79·4	77·9	82·4	28·0	14 30	85·5	8 10	79·5	1
84·5	83·8	83·5	82·4	81·3	81·7	81·9	81·5	81·3	82·4	28·0	15 0	85·0	19 10	80·0	2
82·4	82·2	81·7	81·5	81·5	81·5	80·8	81·0	80·4	81·2	27·3	10 55	83·4	1 10	78·4	3
85·1	84·3	82·7	82·0	82·0	82·0	81·9	81·7	81·6	82·5	28·1	12 15	85·5	1 20	79·4	4
84·9	84·4	83·8	82·9	82·5	82·4	82·2	82·0	81·9	82·7	28·2	13 19	85·6	2 20	80·0	5
83·5	83·5	83·1	82·5	82·1	81·0	80·9	81·5	81·5	82·4	28·0	12 0	85·0	20 50	79·5	6
84·6	83·0	82·6	82·5	82·4	82·5	81·5	80·9	81·0	82·4	28·0	15 0	85·5	4 41	79·7	7
83·9	83·5	83·5	82·8	82·0	82·0	81·0	81·3	81·5	82·2	27·9	14 4	85·6	2 40	78·5	8
84·6	83·4	82·8	81·4	81·5	81·9	82·0	81·7	82·0	82·3	27·9	13 45	85·5	3 0	79·2	9
84·8	84·3	83·5	83·0	82·6	82·5	82·4	82·0	81·9	82·8	28·2	15 55	85·3	6 30	79·4	10
85·0	84·5	83·8	83·1	82·6	82·4	82·4	82·3	81·5	82·5	28·1	14 12	85·6	4 34	79·5	11
83·5	82·8	82·5	82·4	81·7	81·1	80·9	81·2	81·8	82·3	27·9	12 45	85·5	2 40	78·5	12
84·0	83·4	83·0	82·4	81·8	81·7	82·0	81·9	81·9	81·8	27·7	13 45	84·6	3 0	78·2	13
85·4	85·1	84·0	83·0	83·0	82·7	82·6	82·5	82·2	**83·0**	**28·3**	13 0	**86 6**	3 10	80·9	14
84·9	84·7	83·1	82·5	82·6	82·5	82·5	82·3	81·8	82·6	28·1	15 10	85·5	6 50	81·0	15
85·0	85·0	84·0	82·5	81·5	81·7	80·6	81·5	81·6	82·6	28·1	13 10	85·5	7 25	79·0	16
84·4	83·3	82·7	82·3	82·5	82·1	81·5	81·2	82·1	82·3	27·9	14 15	85·5	5 5	79 5	17
83·8	82·7	82·0	81·9	81·1	82·0	82·2	82·1	81·2	82·0	27·8	12 20	84·2	10 40	78·3	18
83·1	83·0	82·4	81·3	81·4	81·5	81·7	81·9	81·5	82·2	27·9	11 50	84·8	0 45	78·4	19
82·1	82·5	82·4	81·7	80·9	80·5	80·5	78·2	78·4	81·1	27·3	10 35	84·2	23 25	**77·4**	20
82·1	82·0	80·8	79·5	79·2	79·7	79·5	78·8	79·5	81·0	27·2	11 58	83·5	19 40	77·8	21
80·5	80·6	79·3	79·5	80·4	80·5	80·5	79·6	78·7	**79·7**	**26·5**	13 40	82·6	3 40	77·4	22
83·2	83·0	82 3	81·3	81·0	80·8	81·0	80·7	80·6	81·2	27·3	13 50	84 5	0 37	77·7	23
82·6	82·4	81·9	81·3	81·1	81·2	81·0	80·9	80·6	81·5	27·5	12 55	84·6	2 40	79·0	24
83·7	83·5	83 0	82·0	81·5	81·0	81·0	80·1	79·1	81·4	27·4	14 38	84·8	5 25	78·9	25
84·5	83·7	82·8	82·3	81·7	80·5	80·2	79·4	78·2	81·5	27·5	11 50	84·7	23 15	78·0	26
84·6	83·1	82·5	82·0	81·4	81·1	80·8	80·5	80·7	81·5	27·5	14 10	85·0	1 5	78 0	27
83·9	83·7	83·0	82·0	82·0	81·6	81·4	81·0	80·5	82·2	27·9	12 35	85·0	4 20	79·9	28
84·2	83·9	83·4	82·1	81·3	79·4	79·6	80·4	79·5	81·6	27·6	12 4	84·5	4 20	79 0	29
84·1	82·5	81·7	81·4	80·8	80·6	80·5	80·6	80·6	80·8	27·1	15 20	84·6	3 31	78·0	30
82·5	82·3	82·3	81·8	81·2	81·1	80·8	80·5	80·6	80·9	27·2	10 32	82·8	5 37	77·4	31
83·9	83·4	82·7	82·0	81·6	81·4	81·2	81·0	80·8	81·9	27·7					Mean.
+2·0	+1·5	+0·8	+0·1	—0·3	—0·5	—0·7	—0·9	—1·1							Variation.
28·8	28·6	28·2	27·8	27·6	27·4	27·3	27·2	27·1							Mean in °C.
+1·1	+0·9	+0·5	+0·1	—0·1	—0·3	—0·4	—0·5	—0·6							Variation in °C

AUGUST.

81·1	81·7	81·4	81·3	81·2	81·1	81·3	81·1	81·1	81·4	27·4	14 5	83·8	0 55	79·5	1
82·4	81·8	81·5	80·5	80·2	80·5	80·8	80·4	78·5	80·8	27·1	15 15	82 5	8 20	78·0	2
84·1	83·8	82·7	81·3	81·0	81·3	81·2	81·0	80·0	81·7	27·6	13 23	84·6	0 2	78·5	3
83·6	82·6	81·9	80·0	80·2	80·0	79·0	79·1	79·5	80·5	26·9	15 20	84·0	4 20	77·4	4
80·8	81·3	79·5	79·2	79·4	78·9	78·4	78·1	78·1	80·3	26·8	14 55	82·6	22 20	77·4	5
80·0	80·0	79·8	78·5	79·0	78·0	78·9	79·4	79·2	79·0	26·1	12 20	81·5	3 40	77·1	6
82·8	82·4	81·5	81·0	80·5	80·0	79.5	79·6	79·0	80·7	27·1	12 35	83·9	3 20	77·2	7
83·4	82·3	81·8	81·4	81·3	81·2	80·9	80·1	78·9	81·1	27·3	12 40	84·5	5 55	77·6	8
84·1	83·1	81·5	80·9	80·6	80·7	80·0	80·0	80·0	81·6	27·6	14 25	84·8	23 30	79·0	9
82·0	80·1	80·0	79·4	78·7	78·6	79·0	79·5	79·6	80·4	26·9	13 35	84·7	9 8	77·6	10
84·0	83·1	82·1	81·5	81·4	80·9	79·8	79·0	79·5	81·5	27·5	13 15	84·6	22 2	78·1	11
85·1	84·4	83·1	81·9	81·5	81·5	81·4	81·3	81·0	**82·0**	**27·8**	14 30	**85·6**	1 30	79·4	12
84·5	83·1	82·1	81·3	81·0	80·8	80·8	8 ·6	80·4	81·9	27·7	13 55	85·5	23 20	80·2	13
84·4	83·5	82·5	81·2	80·2	77·9	77·5	78·1	78·1	80·9	27·2	13 20	85·0	21 14	77·4	14
83·1	81·9	81·5	81·2	80·7	80·6	80. 6	80·6	80·5	80·1	26·7	15 40	83·6	3 40	77·5	15
82·3	81·5	81·3	81·0	81·0	81·1	81·0	81·0	80·9	81·1	27·3	14 20	83·4	4 10	78·9	16
82·6	82·0	81·8	81·5	81·5	81·4	81·3	81·0	80·8	81·4	27·4	14 11	83·6	6 53	78·3	17
84·1	83·1	82·3	81·7	81·2	81·1	81·1	80·8	80·5	81·8	27·7	14 10	85·0	5 0	79·4	18
81 4	81·1	81·0	80·5	80·6	80·6	80·5	80·5	80·5	80·5	26·9	12 2	82·4	3 58	77·3	19
83·3	82·6	81·8	81·0	80·4	79·6	78·4	78·6	79·1	81·1	27·3	12 58	83·9	21 10	78·1	20
82·9	82·3	80·0	79·0	78·9	79·2	80·0	80·0	79·8	80·3	26·8	13 15	83·6	7 22	76·6	21
77·5	77·2	78·7	79·3	79·5	79·5	79·5	79·5	79·5	79·3	26·3	13 50	82·4	2 20	76·1	22
83·5	83·4	82·3	81·2	81·0	80·6	80·5	80·1	79·6	81·3	27·4	13 2	84·6	2 30	79·3	23
84·1	83·6	82·4	81·1	80·7	80·3	80·2	79·8	79·5	81·2	27·3	13 50	85·0	5 0	79·2	24
83·5	82·6	82·0	81·5	81·3	81·0	80·9	80·7	80·4	81·1	27·3	14 42	84·5	2 5	78·8	25
83·6	82·9	82·0	81·1	81·0	80·7	80·5	80·5	80·4	81·4	27·4	13 50	84·6	3 0	79·6	26
84·4	83·6	82·7	81·6	81·0	80·7	80·5	80·5	80·1	81·2	27·3	15 10	84·6	0 50	77·0	27
83·4	82·6	81·9	80·8	79·0	79·6	79·9	79·3	79·6	80·4	26·9	12 40	84·5	8 45	78·5	28
78·0	77·9	78·5	78·1	77·7	78·0	78·0	78·4	78·5	**78·7**	**25·9**	14 8	82·6	6 20	**75 5**	29
82·4	81·6	81·0	80·5	80·4	80·1	79·8	79·6	79·4	80·5	26·9	13 55	83·3	5 0	78·4	30
83·4	82·5	81·9	81·4	81·1	80·6	80·5	80·5	80·4	81·3	27·4	12 20	84·6	5 20	79·4	31
82·8	82·1	81·4	80·7	80·4	80·2	80·1	80·0	79·8	80·9	27·2					Mean.
+1·9	+1·2	+0·5	—0·2	- 0·5	—0·7	—0·8	—0·9	—1·1							Variation.
28·2	27·8	27·4	27·1	26·9	26·8	26·7	26·7	26·6							Mean in °C.
+1·0	+0·6	+0·2	—0·1	—0·3	—0·4	—0·5	—0·5	—0·6							Variation in °C

AIR TEMPERATURE, 1936.

(Averages for sixty minutes from full hour to full hour of local mean time.)

SEPTEMBER. (IN DEGREES FAHRENHEIT.)

Date.	Hours (B. M. T.).														
	0—1	1—2	2—3	3—4	4—5	5—6	6—7	7—8	8—9	9—10	10—11	11—12	12—13	13—14	14—15
1	79·7	79·5	79·5	79·1	77·9	78·5	78·7	78·6	78·5	78·9	79·5	81·0	82·2	82·4	81·0
2	79·5	79·8	79·9	79·9	79·9	79·6	80·1	80·7	81·4	82·1	83·0	82·5	80·7	82·9	83·0
3	80·5	80·5	80·5	80·3	80·2	80·1	80·5	81·0	79·9	81·0	81·9	82·2	83·4	83·3	82·4
4	80·0	79·7	80·1	80·3	80·4	80·0	79·0	79·3	81·0	82·1	83·0	83·4	82·1	81·6	82·2
5	79·0	79·0	79·0	78·8	78·9	79·0	79·3	79·3	80·7	81·9	82·4	80·9	81·2	81·4	79·0
6	79·9	79·5	79·3	79·3	79·0	78·2	77·7	79·1	78·9	79·0	80·2	78·7	78·1	78·0	78·8
7	76·6	76·4	76·5	76·5	76·5	76·7	77·3	78·0	78·2	79·4	80·5	80·1	81·0	81·5	81·8
8	77·4	77·9	78·4	78·1	78·1	77·4	78·0	78·8	79·7	80·5	81·3	81·2	77·5	77·5	77·7
9	77·1	75·9	77·7	78·6	79·0	79·1	79·3	79·7	80·5	80·9	81·5	80·5	82·1	82·4	82·9
10	79·5	78·3	78·3	78·9	78·0	78·4	79·0	79·5	80·0	81·2	82·1	82·3	82·5	80·7	80·9
11	79·3	79·5	78·2	79·0	79·3	79·4	79·3	79·8	78·8	80·1	81·9	83·0	81·1	79·8	81·0
12	79·0	79·2	79·1	78·5	77·9	77·5	76·7	77·3	77·4	78·2	78·1	78·4	78·4	78·6	79·5
13	78·5	79·1	79·0	77·5	77·6	77·6	77·8	78·5	78·8	79·2	80·7	82·3	81·6	82·4	82·9
14	79·4	79·5	79·6	79·5	79·2	78·5	79·3	79·6	80·7	81·6	83·0	83·7	84·2	83·6	83·9
15	79·7	79·6	79·5	79·4	79·0	78·5	79·2	79·9	81·5	82·4	83·1	83·9	84·3	84·4	84·5
16	78·6	78·5	78·2	77·9	78·1	78·1	78·4	79·2	80·8	82·1	83·1	83·6	83·8	84·5	84·5
17	79·3	79·0	78·5	78·0	78·5	78·4	78·5	79·4	81·1	82·0	83·0	83·8	84·3	84·9	85·2
18	79·8	79·7	79·2	79·0	78·6	78·1	78·4	79·6	81·6	83·0	84·0	84·5	85·1	85·4	85·3
19	79·6	79·4	79·0	79·0	78·6	78·6	78·6	79·1	80·3	82·7	84·1	85·3	85·5	86·1	86·2
20	80·4	80·2	80·0	79·6	79·5	79·4	79·6	81·0	83·4	84·9	86·0	87·3	88·0	88·1	87·8
21	82·0	81·5	80·9	80·1	79·6	79·5	80·5	82·2	83·6	84·8	86·2	86·6	87·5	87·9	87·6
22	82·5	82·5	82·0	79·9	73·8	78·6	79·3	81·1	83·4	84·5	84·8	85·3	86·1	86·6	87·1
23	79·4	79·1	79·0	78·5	78·0	78·0	78·5	79·7	81·4	82·5	84·4	85·0	86·0	86·5	86·9
24	81·8	81·9	81·5	82·0	81·9	81·4	79·8	79·8	80·9	81·9	83·5	84·2	84·6	84·8	84·7
25	79·9	79·7	79·4	79·5	79·6	79·4	79·4	80·4	81·9	83·5	84·9	85·6	86·7	87·5	87·6
26	83·5	83·4	83·1	82·8	82·4	82·1	81·0	81·3	81·1	79·4	80·6	81·5	83·0	83·8	84·0
27	79·6	79·6	79·6	79·5	79·7	79·7	79·6	80·5	82·0	83·4	84·5	85·0	85·5	85·9	86·4
28	82·1	81·9	81·5	81·3	81·0	80·9	80·7	82·0	83·7	84·5	85·4	86·0	86·4	86·7	87·5
29	80·6	80·4	79·9	79·6	79·6	79·7	79·6	79·7	80·9	81·9	83·5	84·9	85·5	84·0	84·3
30	80·0	80·0	80·0	79·7	79·8	79·8	80·0	81·0	83·4	84·9	86·2	86·9	88·1	88·5	88·6
Mean	79·8	79·7	79·5	79·3	79·2	**79·0**	79·1	79·8	80·9	81·8	82·9	83·3	83·5	83·7	**83·9**
Variation	—1·3	—1·4	—1·6	—1·8	—1·9	**—2·1**	—2·0	—1·3	—0·2	+0·7	+1·8	+2·2	+2·4	+2·6	**+2·8**
Mean in °C.	26·6	26·5	26·4	26·3	26·2	**26·1**	26·2	26·6	27·2	27·7	28·3	28·5	28·6	28·7	**28·8**
Variation in °C.	—0·7	—0·8	—0·9	—1·0	—1·1	**—1·2**	—1·1	—0·7	—0·1	+0·4	+1·0	+1·2	+1·3	+1·4	**+1·5**

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1	80·8	80·5	80·5	80·1	80·0	80·0	80·0	80·3	81·2	83·0	84·0	84·5	86·0	86·0	87·0
2	82·4	82·3	82·0	81·6	81·5	81·5	81·6	82·7	84·2	85·1	85·9	86·8	88·1	88·3	88·1
3	83·0	82·8	82·6	82·6	82·5	81·9	82·0	83·1	84·5	85·5	86·5	87·4	87·5	87·4	87·0
4	80·5	80·7	80·7	80 6	80·5	80·1	80·5	81·6	82·9	84·0	85·0	85·7	86·5	86·4	86·3
5	80·3	80·0	79·9	79·5	79·3	79·5	79·3	80·9	82·5	83·3	84·0	85·0	85·7	86·4	86·4
6	80·5	80·5	80·2	80·2	80·1	79·6	79·8	81·0	81·9	82·9	84·0	84·9	85·7	86·0	86·1
7	80·0	79·9	80·4	80 0	79·7	79·2	79·7	81·5	83·7	83·9	84·6	85·0	86·0	86·5	86·3
8	79·5	79·2	78·9	78·6	78·6	78·4	78·7	81·0	82·5	83·8	84·5	85·1	86·0	86·5	86·8
9	80·5	80·4	80·0	80·0	79·6	79·6	80·1	81·1	83·2	83·9	84·6	85·5	86·5	86·7	86·7
10	80·5	80·5	80·3	80·2	80·0	80·0	80·2	81·1	82·9	84·0	85·0	85·8	86·5	87·0	87·1
11	79·7	79·6	79·5	79·5	79·5	79·4	79·4	80·5	82·0	82·0	83·9	84·4	85·0	85·5	85·5
12	79·4	79·1	78·5	78·9	77·8	77·8	78·3	80·2	81·8	83·3	84·3	84·4	84·9	85·4	85·1
13	78·6	78·6	78·2	77·6	77·2	77·1	77·5	79·4	80·5	81·3	82·6	83·9	85·1	85·6	85·5
14	79·0	78·3	77·8	77·1	76·6	76·7	77·8	79·5	81.5	82·8	84·2	85·5	87·3	87·3	87·4
15	79·0	79·1	78·9	78·5	78·5	78·0	77·3	79·2	82·2	84·0	84·9	87·7	88·3	87·1	87·1
16	78·5	78·4	78·0	77·7	77·4	77·2	77·5	79·2	81·8	83·1	85·2	87·3	88·9	90·0	88·2
17	78·5	77·6	77·5	76·9	76·4	76·2	76·5	78·2	80·8	82·7	85·0	86·1	87·0	87·1	87·3
18	79·2	78·2	78·0	77·6	77·6	77·7	78·0	80·0	82·0	84·8	88·3	88·5	88·0	87·7	88·0
19	78·6	78·1	77·5	77·5	77·6	77·4	78·0	80·0	82·4	84·2	87·5	90·3	91·9	**94·0**	91·2
20	78·5	78·0	77·5	76·5	76·0	76·0	76·9	78·2	79·9	82·2	84·0	85·5	86·9	87·6	86·7
21	79·0	78·6	78·5	77·3	76·5	76·7	76·5	79·3	81·7	83·7	85·7	86·6	87·0	87·9	87·4
22	78·5	78·7	78·5	77·7	76·5	75·9	76·0	79·4	81·4	82·9	85·8	87·8	88·3	88·7	87·8
23	78·9	78·4	77·6	77·5	77·8	78·0	78·2	79·5	81·7	83·9	86·1	87·9	89·3	87·9	87·0
24	80·3	80·3	79·4	79·2	79·2	79·0	79·4	81·6	84·2	86·3	87·4	89·1	90·5	89·0	87·4
25	78·5	78·0	77·6	77·5	77·0	76·7	76·3	77·8	80·0	81·9	85·0	88·3	89·6	86·9	86·7
26	78·7	78·2	77·6	77·8	78·0	77·5	76·9	78·1	80·9	82·6	83·9	85·1	87·5	86·5	86·5
27	78·6	78·4	77·9	77·5	75·9	**75·3**	75·7	77·9	79·6	81·2	83·3	84·8	86·6	86·6	86·4
28	79·9	79·4	79·0	78·2	77·6	77·4	77·3	78·4	80·2	82·2	84·0	84·7	85·1	85·5	85·3
29	79·0	79·1	78·6	78·0	77·5	77·5	77·7	79·2	81·2	83·0	86·4	89·0	87·5	85·3	83·7
30	79·0	79·0	78·5	78·0	77·4	77·2	77·8	79·7	81·9	82·9	84·3	84·4	85·5	85·2	85·0
31	76·8	77·0	76·6	76·2	75·8	75·4	75·6	77·3	80·0	82·5	85·4	87·6	89·2	87·9	85·9
Mean	79·5	79·3	78·9	78·6	78·2	**78·1**	78·3	79·9	81·8	83·3	85·0	86·3	**87·2**	87·2	86·7
Variation	—2·4	—2·6	—3·0	—3·3	—3·7	**—3·8**	—3·6	—2·0	—0·1	+1·4	+3·1	+4·4	**+5·3**	+5·3	+4·8
Mean in °C.	26·4	26·3	26·1	25·9	25·7	**25·6**	25·7	26·6	27·7	28·5	29·4	30·2	**30·7**	30·7	30·4
Variation in °C.	—1·3	—1·4	—1·6	—1·8	—2·0	**—2·1**	—2·0	—1·1	0	+0·8	+1·7	+2·5	**+3·0**	+3·0	+2·7

(Averages for sixty minutes from full hour to full hour of local mean time.)

SEPTEMBER. (IN DEGREES FAHRENHEIT.)

Hours (B.M.T.. 15—16	16—17	17—18	18—19	19—20	20—21	21—22	22—23	23—24	Mean. °F.	°C.	Maximum. Time. H. M.	Mag.	Minimum. Time. H. M.	Mag.	Date.
80·2	81·3	80·9	80·5	80·5	80·5	80·5	80·0	79·4	79·9	26·6	14 20	83·0	4 48	77·5	1
79·1	81·4	79·8	80·0	80·3	80·0	80·1	80·5	80·5	80·7	27·1	13 58	84·3	15 20	78·0	2
82·4	82·3	81·6	80·9	80·5	80·5	80·4	80·5	80·4	81·1	27·3	13 15	84·5	8 30	79·5	3
83·1	80·7	80·7	80·3	80·1	80·0	80·0	79·6	78·7	80·7	27·1	15 30	83·6	23 25	78·2	4
80·6	80·5	80·2	78·3	79·1	78·8	78·5	79·7	79·9	79·8	20·6	13 10	84·0	18 40	77·5	5
77·9	76·8	76·8	76·7	76·6	77·0	76·9	76·0	76·4	**78·1**	**25·6**	10 27	81·0	23 40	75·8	6
80·4	79·6	79·2	78·5	78·5	78·0	77·4	77·9	77·8	78·5	25·8	14 15	82·5	1 30	76·4	7
77·2	77·2	76·6	76·8	77·6	77·6	77·2	77·7	77·5	78·1	25·6	10 5	81·8	23 40	76·4	8
83·0	82·3	81·5	80·6	80·5	80·4	80·1	79·6	79·6	80·2	26·8	15 35	83·1	1 45	**75·5**	9
80·8	81·0	80·6	80·5	80·5	79·2	79·4	80·0	79·5	80·0	26·7	12 15	83·5	4 30	77·4	10
80·7	81·0	80·9	80·5	80·4	80·3	79·9	78·4	79·0	80·0	26·7	12 10	83·6	2 24	77·5	11
80·2	80·6	80·5	80·0	80·0	79·6	79·5	79·2	78·0	78·8	26·0	16 10	80·8	6 35	76·5	12
82·8	81·4	80·2	79·5	79·6	79·6	79·5	79·6	79·5	79·8	26·6	14 50	83·5	3 45	76·7	13
83·7	83·4	82·2	81·1	80·6	80·4	80·0	79·7	79·7	81·1	27·3	12 40	84·6	5 20	78·3	14
84·4	84·0	83·0	81·5	81·0	80·1	79·5	79·0	78·6	81·3	27·4	14 43	84·6	5 20	78·4	15
84·4	84·0	82·9	81·6	81·2	80·7	80·5	80·1	79·7	81·0	27·2	15 30	84·6	3 58	77·5	16
84·7	83·9	82·5	81·3	80·8	80·5	80·5	80·4	80·2	81·2	27·3	13 58	85·5	4 2	77·9	17
85·0	84·5	83·4	82·3	81·9	81·5	81·3	80·9	80·4	81·8	27·7	12 50	85·5	6 2	78·0	18
86·2	85·5	84·2	83·1	82·7	82·5	82·0	81·2	80·6	82·1	27·8	13 55	86·5	6 30	78·4	19
87·5	86·0	84·8	84·5	84·3	84·0	83·6	82·5	82·0	83·5	28·6	13 35	88·6	5 50	79·3	20
87·2	86·4	85·3	84·3	84·0	83·6	83·2	83·3	83·0	**83·8**	**28·8**	13 45	88·4	4 50	79·4	21
87·5	86·5	85·3	83·1	81·8	80·5	80·5	79·6	79·5	82·8	28·2	15 30	87·6	5 9	78·4	22
86·7	85·9	84·8	84·2	83·4	82·4	82·0	81·8	81·9	82·3	27·9	15 15	87·2	5 0	77·9	23
84·5	82·9	80·6	80·0	79·9	79·8	79·6	79·5	79·5	81·7	27·6	12 56	85·5	6 40	79·4	24
87·5	87·0	85·9	84·8	84·5	84·2	84·0	83·8	83·8	83·4	28·6	14 15	88·0	6 18	79 0	25
83·1	81·8	81·4	81·0	80·6	80·5	80·5	80·2	80·0	81·8	27·7	13 58	84·5	9 20	79·0	26
86·4	86·0	84·9	84·2	83·7	83·5	83·3	82·9	82·6	82·8	28·2	15 10	86·6	3 43	79·4	27
87·7	85·5	84·6	83·5	82·1	81·6	80·8	80·4	80·5	83·3	28·5	15 46	88·1	22 15	80·3	28
85·0	85·1	84·5	81·1	80·7	81·1	80·8	80·5	80·3	81·8	27·7	12 20	86·4	3 5	79·5	29
88·9	82·4	82·1	81·9	81·7	82·0	82·1	82·0	81·1	83·0	28·3	15 50	**89·3**	3 38	79·6	30
83·6	82·9	82·1	81·2	81·0	80·7	80·5	80·2	80·0	81·1	27·3					Mean.
+2·5	+1·8	+1·0	+0·1	—0·1	—0·4	—0·6	—0·9	—1·1							Variation.
28·7	28·3	27·8	27·3	27·2	27·1	26·9	26·8	26·7							Mean in °C.
+1·4	+1·0	+0·5	0·0	—0·1	—0·2	—0·4	—0·5	—0·6							Variation in °C.

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87·5	86·6	85·3	84·4	84·0	84·0	83·9	83·4	82·7	83·2	28·4	15 0	87·9	5 58	79·9	1
87·5	85·9	84·5	83·7	83·5	83·0	83·0	83·0	83·0	**84·1**	**28·9**	13 55	88·6	4 30	81·4	2
86·0	84·4	83·4	82·5	82·0	81·6	81·3	80·9	80·5	83·7	28·7	12 40	88·0	6 15	81·5	3
85·9	84·6	83·3	82·2	81·7	81·5	81·3	80·9	80·6	82·7	28·2	14 30	86·8	5 20	80·0	4
85·9	84·5	83·2	82·0	81·7	81·2	81·0	81·0	80·9	82·2	27·9	14 2	86·6	6 5	79·0	5
85·7	84·5	83·0	81·9	81·5	81·2	81·0	80·5	80·1	82·2	27·9	14 40	86·5	6 5	79·5	6
86·0	84·9	83·7	82·2	81·5	81·0	80·6	80·5	80·4	82·4	28·0	13 20	87·1	5 50	79·1	7
86·0	84·6	83·1	82·0	81·6	81·5	81·2	80·8	80·6	82·1	27·8	14 5	87·0	5 58	78·3	8
86·0	85·0	83·5	82·3	81·6	81·2	80·8	80·5	80·5	82·5	28·1	12 55	87·4	5 0	79·5	9
86·1	84·9	83·5	82·0	81·4	81·0	80·6	80·4	80·0	82·5	28·1	13 50	87·7	5 40	80·0	10
84·8	83·6	82·1	81·2	80·7	80·1	79·9	79·6	79·5	81·5	27·5	14 25	86·5	6 15	79·0	11
84·7	83·7	82·1	81·0	80·2	79·5	79·3	79.0	79·0	81·1	27·3	13 5	86·0	3 58	77·7	12
85·0	84·0	82·5	81·6	81·2	80·9	80·6	80·5	80·0	81·0	27·2	13 45	86·3	5 30	77·1	13
87·7	86·9	84·8	83·4	82·8	81·8	81·0	80·2	79·8	82·0	27·8	15 30	88·0	5 30	76·5	14
86·7	85·0	83·0	81·5	81·0	80·5	79·8	79·4	79·4	81·9	27·7	12 0	89·7	6 35	77·2	15
87·1	85·5	83·4	82·0	81·4	80·0	79·5	79·5	79·0	81·9	27·7	13 35	90·5	6 15	76·6	16
86·6	85·1	83·2	82·1	81·8	81·2	81·0	80·5	79·9	81·5	27·5	14 10	88·0	6 5	76·0	17
86·5	84·5	82·5	81·0	81·0	81·0	80·6	79·8	79·0	82·1	27·8	11 35	89·1	3 50	77·5	18
87·8	85·3	83·5	81·8	81·4	80·7	80·1	79·4	79·1	82·7	28·2	13 58	**94·5**	3 0	77·3	19
85·5	84·1	82·4	81·4	81·0	80·0	80·2	80·1	79·4	81·0	27·2	13 23	87·8	5 10	75·7	20
86·9	85·1	83·3	81·9	81·5	80·5	80·0	79·5	79·3	81·7	27·6	13 35	88·5	4 2	76·5	21
87·4	85·2	83·3	82·4	81·6	81·4	80·8	79·8	79·1	81·9	27·7	13 30	89·4	5 10	75·5	22
86·5	85·2	84·0	83·6	84·0	83·6	82·6	81·4	80·5	82·5	28·1	12 45	89·7	3 30	77·5	23
86·8	84·7	82 2	80·7	80·1	80·1	80·0	79·2	78·9	82·7	28·2	12 50	90·7	5 55	78·9	24
86·2	45·1	83·6	81·6	80·9	80·2	79·6	79·4	79·3	81·4	27·4	12 18	90·7	6 20	75·9	25
85·9	84·1	82·1	81·6	81·0	80·1	79·9	79·0	78·5	81·2	27·3	12 38	88·3	6 50	76·4	26
85·9	85·0	83·5	82·5	81·6	81·0	80·4	79·6	80·0	81·1	27·3	12 5	87·5	5 58	75·1	27
85·4	83·0	81·7	81·0	81·0	80·1	79·2	79·2	79·5	81·0	27·2	12 53	85·9	6 35	77·0	28
83·0	81·6	79·9	79·5	80·0	80·1	80·0	79·2	79·1	81·0	27·2	11 52	89·6	5 5	77·3	29
84·5	82·5	80·7	79·9	79·6	79·7	79·4	78·3	77·0	80·7	27·1	13 5	86·2	4 45	77·1	30
84·4	82·9	81·0	80·4	80·0	79·6	79·3	78·0	77·0	**80·5**	**26·9**	12 28	90·0	6 10	**75·0**	31
86·1	84·6	82·9	81·8	81·4	80·9	80·6	80·1	79·7	81·9	27·7					Mean.
+4·2	+2·7	+1·0	—0·1	—0·5	—1·0	—1·3	—1·8	—2·2							Variation.
30·1	29·2	28·3	27·7	27·4	27·2	27·0	26·7	26·5							Mean in °C.
+2·4	+1 5	+0·6	0	—0·3	—0·5	—0·7	—1·0	—1·2							Variation in °C.

Averages for sixty minutes from full hour to full hour of local mean time.)

NOVEMBER. (IN DEGREES FAHRENHEIT.)

Date.	Hours. (B. M. T.)														
	0—1	1—2	2—3	3—4	4—5	5—6	6—7	7—8	8—9	9—10	10—11	11—12	12—13	13—14	14—15
1	76·6	76·4	76·5	76·5	76·3	76·4	76·2	78·1	80·8	83·1	85·0	87·3	89·2	88·8	87·2
2	76·3	76·0	75·6	76·0	75·7	75·4	75·7	77·5	79·7	81·6	84·5	86·7	86·5	85·9	85·9
3	76·5	76·3	75·5	74·7	74·8	74·5	74·9	76·5	78·8	81·1	83·9	86·6	89·5	87·2	85·1
4	76·5	76·4	76·4	76·7	76·5	76·6	77·0	78·0	80·8	82·9	86·2	88·5	89·6	89·8	86·9
5	80·3	80·1	79·8	79·5	78·8	78·5	78·5	80·0	81·9	84·3	87·5	89·3	90·4	89·8	89·0
6	80·3	79·5	78·5	78·4	78·0	77·5	76·8	77·9	80·5	83·1	85·8	88·3	87·6	86·9	86·2
7	78·4	77·9	77·9	76·7	76·4	77·0	77·5	78·0	79·1	81·0	82·5	83·7	86·4	85·7	84·5
8	80·1	80·0	79·9	79·6	79·2	80·0	80·4	81·8	84·2	86·3	88·0	88·6	**90·5**	90·5	89·7
9	77·8	77·5	77·5	77·4	77·5	77·5	78·2	78·6	79·4	80·6	82·5	83·7	86·1	87·5	86·5
10	76·5	76·5	76·0	76·4	76·4	76·5	76·5	76·9	77·7	78·3	79·0	80·0	80·9	80·2	80·2
11	76·5	76·5	76·6	76·7	76·7	76·8	77·1	77·5	78·8	79·5	80·4	80·0	81·2	80·5	79·0
12	79·5	79·2	79·2	79·0	79·0	78·6	77·7	77·5	77·5	77·5	78·5	78·4	77·6	77·9	78·4
13	77·5	77·5	77·5	77·3	77·4	77·4	77·5	77·8	79·1	80·1	81·6	82·4	82·5	83·0	82·1
14	78·3	78·2	78·0	77·8	77·5	77·4	77·3	78·0	79·2	80·8	82·0	82·8	83·1	83·5	84·0
15	77·7	77·6	77·5	77·6	77·2	77·2	77·3	78·4	78·8	79·2	80·8	81·6	83·2	83·7	83·5
16	77·5	77·4	77·2	77·1	76·9	76·6	76·6	77·2	79·0	80·2	81·5	82·4	83·0	83·4	83·2
17	77·9	76·9	76·2	76·0	76·1	76·0	76·2	78·1	79·9	80·9	81·8	82·9	83·1	83·2	83·3
18	79·5	79·0	78·4	78·0	78 0	78·0	77·8	78·5	80·1	81·3	82·5	83·2	83·5	84·0	84·5
19	79·5	79·4	79·5	78·8	78·6	78·8	78·6	79·7	81·2	82·0	83·3	84·9	85·5	85·6	85·0
20	79·6	79·3	79·0	79·6	79·4	79·0	79·0	80·3	82·1	83·2	84·7	86·6	87·4	87·5	87·2
21	80·1	80·0	79·6	79·2	79·0	79·1	79·5	80·1	82·1	84·2	86·2	87·0	86·6	86·1	86·1
22	79·0	79·1	78·7	78·5	77·9	77·8	78·5	79·7	81·5	83·2	84·6	85·7	87·4	88·5	88·0
23	80·0	80·0	79·9	79·4	79·1	79·0	78·8	80·1	82·3	84·2	86·5	87·6	88·2	89·0	87·7
24	77·1	76·6	76·8	77·5	77·3	77·1	77·3	78·3	79·9	81·2	83·2	85·2	87·5	89·0	88·1
25	79·5	78·8	78·5	78·0	77·1	76·5	76·5	77·7	78·6	79·4	81·0	82·6	84·7	85·2	85·1
26	78·6	77·8	76·5	75·6	76·5	76·1	76·0	76·6	78·1	79·8	81·2	83·0	84·2	84·5	84·4
27	76·7	77·0	76·5	76·3	76·0	75·2	75·1	76·2	78·0	79·7	81·4	82·7	84·2	85·1	84·9
28	77·0	76·8	76·0	75·5	74·9	74·3	74·0	75·9	77·0	78·6	81·1	82·1	83·0	84·0	85·4
29	75·6	75·5	75·4	75·0	74·5	74·4	73·9	75·1	77·2	79·0	80·7	82·1	83·0	83·4	83·4
30	75·4	76·3	74·8	74·7	73·9	**73·5**	73·5	75·1	76·9	78·2	80·1	81·9	83·0	83·4	84·0
Mean .	78·1	77·9	77·5	77·3	77·1	**77·0**	77·0	78·0	79·7	81·1	82·9	84·3	85·3	**85·4**	84·9
Variation .	—2·3	—2·5	—2·9	—3·1	—3·3	**—3·4**	—3·4	—2·4	—0·7	+0·7	+2·5	+3·9	+4·9	**+5·0**	+4·5
Mean in °C.	25·6	25·5	25·3	25·2	25·1	**25·0**	25·0	25·6	26·5	27·3	28·3	29·1	29·6	**29·7**	29·4
Variation in °C.	—1·3	—1·4	—1·6	—1·7	—1·8	**—1·9**	—1·9	—1·3	—0·4	+0·4	+1·4	+2·2	+2·7	**+2·8**	+2·5

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1	76·0	75·3	74·9	74·4	74·5	73·5	73·4	75·2	77·1	79·0	81·0	82·1	83·3	85·1	86·0
2	77·4	77·1	76·5	76·5	76·0	75·9	75·2	76·4	78·2	80·0	81·8	83·5	85·3	86·3	85·1
3	75·6	75·4	74·9	75·0	75·1	74·7	74·5	75·5	77·4	79·4	81·3	82·5	84·2	85·0	84·8
4	76·0	75·3	74·9	74·2	74·9	74·8	74·4	76·0	77·5	78·5	80·5	82·7	83·9	84·5	85·0
5	76·4	75·3	74·4	74·0	73·9	73·5	74·0	75·3	77·2	78·6	80·5	82·2	83·1	83·6	83·7
6	76·7	76·0	76·1	75·5	75·6	75·4	74·9	76·0	77·5	78·5	80·5	82·4	84·0	86·4	86·4
7	77·6	77·2	77·4	76·7	76·5	76·5	76·4	76·6	77·6	79·5	81·8	82·7	84·2	84·8	84·8
8	77·7	77·0	76·5	76·3	76·5	76·4	75·1	76·7	77·8	79·5	81·3	83·9	85·6	86·8	86·5
9	77·6	77·3	76·6	76·0	75·1	74·0	73·5	74·5	77·5	79·4	81·0	82·9	84·2	84·8	85·3
10	75·5	75·4	75·5	75·6	74·9	74·6	73·6	75·0	77·2	79·1	81·0	82·7	84·8	84·2	84·3
11	77·2	75·8	76·0	75·5	75·4	75·2	75·0	76·2	78·0	79·9	82·1	84·3	86·5	87·6	86·4
12	77·6	77·5	77·5	77·3	77·5	76·3	76·2	77·5	79·5	81·4	83·8	85·6	86·9	87·7	88·4
13	78·3	78·2	77·4	77·0	76·6	76·4	76·4	77·0	78·9	80·9	82·5	84·0	84·7	86·3	86·4
14	76·8	76·4	76·1	75·7	75·5	75·0	75·0	76·0	77·8	79·5	81·9	83·7	84·8	85·9	86·6
15	75·1	74·7	74·8	74·4	73·5	73·4	73·2	74·5	76·6	78·0	81·1	84·0	85·4	86·2	86·2
16	75·2	74·0	73·5	73·4	73·4	72·5	71·8	72·7	75·2	76·6	79·1	81·2	83·2	84·2	84·7
17	73·6	73·3	72·5	72·4	72·1	72·3	72·0	72·6	74·1	75·7	77·2	78·7	80·5	81·7	82·5
18	73·1	74·1	73·6	72·8	72·5	71·5	71·8	73·0	74·9	76·2	78·5	80·4	81·2	81·5	81·7
19	72·0	71·5	71·4	71·4	71·3	70·3	70·0	70·6	73·4	75·4	76·7	78·0	78·5	79·3	79·2
20	69·9	68·8	68·2	67·4	67·0	66·6	65·9	66·4	69·0	71·8	75·0	75·8	77·3	77·6	77·6
21	67·4	66·5	65·6	64·9	64·5	64·4	63·6	64·3	67·6	70·4	73·3	75·3	77·2	78·4	78·5
22	67·6	66·2	65·4	65·0	63·9	63·1	63·0	65·1	69·0	71·3	74·3	76·9	77·7	78·1	78·4
23	70·0	69·5	68·3	67·6	67·5	67·1	67·0	68·5	72·5	74·5	77·0	79·9	82·0	82·5	81·6
24	70·3	70·2	70·3	69·1	68·3	68·5	69·0	70·1	71·9	74·0	76·5	78·0	78·9	80·2	79·8
25	72·6	72·0	70·1	69·6	69·9	68·4	67·3	68·0	72·2	74·3	76·8	78·3	80·0	80·0	80·0
26	70·6	69·9	69·0	68·0	67·3	67·4	67·5	68·3	71·4	74·0	76·5	78·2	79·3	79·5	79·1
27	69·0	67·5	67·7	67·0	66·0	65·5	64·5	64·6	68·0	71·2	73·5	75·0	76·8	77·2	77·6
28	66·5	66·0	65·3	64·6	64·3	65·2	66·2	67·5	69·9	71·9	74·8	76·5	76·9	77·5	77·5
29	66·9	65·6	65·0	64·0	63·6	62·7	**62·4**	63·5	67·2	70·5	73·0	75·3	77·0	77·5	78·1
30	70·7	70·7	70·5	70·4	70·2	70·7	69·2	69·8	71·9	73·9	76·8	79·1	82·2	84·5	84·8
31	71·5	70·2	69·5	70·5	70·0	69·6	68·3	68·6	70·3	72·1	75·2	77·6	79·0	79·7	80·7
Mean .	73·5	72·9	72·4	72·0	71·7	71·3	**71·0**	72·0	74·3	76·3	78·6	80·4	81·9	82·7	**82·8**
Variation .	—2·8	—3·4	—3·9	**—4·3**	—4·6	—5·0	**—5·3**	—4·3	—2·0	0·0	+2·3	+4·1	+5·6	+6·4	**+6·5**
Mean in °C. .	23·1	22·7	22·4	22·2	**22·1**	21·8	**21·7**	22·2	23·5	24·6	25·9	26·9	27·7	28·2	**28·2**
Variation in °C.	—1·5	—1·9	—2·2	—2·4	—2·5	—2·8	**—2·9**	—2·4	—1·1	0·0	+1·3	+2·3	+3·1	+3·6	**+3·6**

(Averages for sixty minutes from full hour to full hour of local mean time.)

NOVEMBER. (IN DEGREES FAHRENHEIT.)

Hours. (B. M. T.)									Mean.		Maximum.		Minimum.		Date.
15—16	16—17	17—18	18—19	19—20	20—21	21—22	22—23	23—24	°F	°C.	Time.	Mag.	Time.	Mag.	
											H. M.		H. M.		
85·8	83·7	81·5	80·4	79·8	79·5	79·4	78·0	77·0	80·8	27·1	13 10	90·0	6 40	76·0	1
84·3	82·3	80·1	78·9	78·5	78·0	77·1	76·5	76·5	79·6	26·4	11 58	88·0	2 20	75·0	2
84·3	82·6	80·9	80·0	79·6	79·6	79·0	77·6	76·5	79·8	26·6	12 52	90·1	3 58	74·2	3
85·0	83·8	81·5	80·6	80·7	81·2	80·5	79·9	79·9	81·3	27·4	13 40	90·8	1 45	76·1	4
89·3	86·5	83·8	83·2	82·6	82·5	82·2	81·7	81·0	83·4	28·6	12 8	90·6	6 15	78·0	5
85·5	83·8	81·8	81·1	80·8	80·2	79·6	78·5	78·6	81·5	27·5	11 51	89·5	6 30	76·5	6
82·1	81·5	81·3	81·1	81·1	80·2	80·0	80·2	80·2	80·4	26·9	13 0	87·6	3 50	76·1	7
87·7	85·2	83·5	83·0	83·1	81·5	79·8	79·5	79·1	**83·4**	**28·6**	13 0	**91·5**	23 58	78·5	8
84·3	82·5	81·5	81·3	81·2	81·1	81·0	78·2	76·3	80·7	27·1	13 20	88·0	3 58	77·3	9
80·0	79·3	78·9	78·6	78·2	77·4	77·0	77·3	77·1	**78·0**	**25·6**	12 23	81·3	2 20	76·1	10
79·2	79·3	79·4	79·5	79·5	79·5	79·4	79·4	79·5	78·7	25·9	12 30	81·5	1 0	76·4	11
78·7	78·5	78·6	78·4	78·5	78·5	78·3	77·8	77·6	78·3	25·7	1 0	79·5	7 35	77·2	12
81·7	81·0	80·3	79·7	79·5	79·5	79·5	79·0	78·8	79·6	26·4	13 40	83·2	3 30	77·2	13
83·9	82·5	81·5	80·6	80·2	79·8	79·3	78·6	78·1	80·1	26·7	14 45	84·2	6 20	77·0	14
82·5	81·1	80·1	79·5	79·2	78·9	78·5	78·2	78·0	79·5	26·4	13 25	84·1	4 25	77·0	15
82·5	81·2	79·9	79·5	79·5	79·3	79·4	79·5	79·0	79·5	26·4	14 17	83·6	6 10	76·5	16
82·7	81·6	80·5	80·1	80·1	79·6	79·5	79·2	79·7	79·6	26·4	13 47	83·6	3 20	75·7	17
83·6	82·1	81·3	81·1	80·6	80·3	80·0	80·2	80·2	80·7	27·1	14 19	84·6	6 20	77·6	18
84·1	82·9	82·0	81·6	81·5	81·4	81·1	80·3	79·6	81·5	27·5	13 50	86·1	3 30	78·5	19
87·1	85·5	83·9	82·9	82·3	81·5	81·1	80·8	80·8	82·5	28·1	13 0	87·5	6 25	78·6	20
86·0	84·5	83·1	82·2	81·9	81·4	81·0	80·5	79·8	82·3	27·9	12 10	87·6	4 5	78·6	21
86·5	84·9	83·6	82·5	82·0	81·9	81·5	80·5	79·7	82·1	27·8	13 50	89·0	5 55	77·5	22
86·0	84·6	83·1	82·2	81·5	81·0	79·9	78·6	78·0	82·4	28·0	14 5	89·7	23 58	77·5	23
86·3	84·4	83·0	82·0	82·0	81·5	80·9	80·5	80·1	81·4	27·4	13 55	89·5	2 45	76·5	24
84·6	82·9	82·0	81·5	81·0	80·6	79·9	79·2	78·6	80·4	26·9	14 0	85·5	6 3	76·0	25
84·0	82·9	81·7	81·2	81·0	80·6	79·5	77·8	76·7	79·8	26·6	12 24	84·5	3 45	75·5	26
84·2	82·4	80·9	80·0	79·9	79·6	78·9	77·5	76·5	79·4	26·3	13 38	85·5	6 2	74·9	27
84·7	82·7	80·6	79·3	78·7	78·5	77·7	76·3	75·5	78·7	25·9	14 35	85·9	6 5	73·7	28
83·4	82·3	80·2	79·4	79·0	78·5	77·5	76·0	74·8	78·3	25·7	15 20	83·6	6 40	73·7	29
83·8	82·3	80·7	79·8	79·4	79·0	77·9	77·8	77·1	78·4	25·8	14 23	84·3	5 30	**73·3**	30
84·1	82·7	81·4	80·7	80·4	80·1	79·5	78·8	78·3	80·4	26·9					Mean.
+3·7	+2·3	+1·0	+0·3	0·0	—0·3	—0·9	—1·6	—2·1							Variation.
28·9	28·2	27·4	27·1	26·9	26·7	26·4	26·0	25·7							Mean in °C.
+2·0	+1·3	+0·5	+0·2	0	—0·2	—0·5	—0·9	—1·2							Variation in °C.

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85·5	83·8	81·8	80·7	80·2	78·8	78·0	77·0	76·9	78·9	26·1	14 30	86·2	6 35	73·1	1
84·8	83·3	81·6	80·8	80·5	79·8	78·9	77·5	76·8	79·8	26·6	13 22	86·6	6 45	75·0	2
84·6	83·0	81·3	80·4	79·9	79·5	78·5	77·4	77·0	79·0	26·1	13 30	85·4	5 50	74·5	3
84·4	82·9	80·9	80·0	79·5	79·4	78·6	77·5	76·5	78·9	26·1	14 50	85·2	6 20	74·0	4
83·5	82·2	80·6	80·0	79·6	79·4	78·6	77·5	76·5	78·5	25·8	14 20	84·0	5 50	73·4	5
85·6	83·9	81·9	81·1	80·5	80·0	79·3	78·4	77·7	79·6	26·4	14 5	87·2	6 45	74·7	6
84·5	83·3	81·8	80·7	79·7	78·6	78·5	78·3	78·6	78·8	26·0	14 55	85·2	6 40	76·3	7
85·4	84·0	82·5	81·4	80·6	80·4	79·8	78·6	78·5	80·2	26·8	13 45	87·2	6 50	74·6	8
84·9	83·2	81·8	80·5	79·8	79·3	78·4	77·5	76·0	70·2	26·2	14 35	85·5	6 45	73·4	9
84·2	83·0	81·2	80·4	79·8	78·5	78·0	78·5	77·7	78·9	26·1	12 38	85·4	6 35	73·5	10
85·3	83·5	81·8	81·0	80·5	79·5	78·0	77·5	78·0	79·8	26·6	13 58	87·7	6 30	74·8	11
88·6	87·1	85·8	82·6	81·6	80·4	79·2	78·1	78·3	**81·3**	**27·4**	15 10	**89·0**	6 20	76·1	12
85·5	82·9	81·4	80·4	79·7	79·1	78·0	77·0	77·5	80·1	26·7	15 20	86·8	5 40	76·2	13
86·6	84·1	81·5	80·0	79·5	79·1	78·5	77·0	75·6	79·5	26·4	15 10	87·0	6 25	74·5	14
86·4	84·3	81·5	79·6	79·2	78·1	77·2	76·3	75·8	78·7	25·9	15 30	86·7	6 10	73·1	15
84·0	82·2	80·2	78·9	78·0	77·1	76·3	75·1	74·5	77·4	25·2	14 5	85·1	6 40	71·7	16
82·7	81·1	79·5	78·2	77·5	76·3	75·0	73·9	73·8	76·2	24·6	15 7	83·1	6 30	71·8	17
81·4	79·5	77·6	76·5	76·3	76·0	75·3	73·8	72·6	76·1	24·5	13 55	82·0	5 40	71·2	18
79·2	77·5	76·0	75·0	74·5	73·2	72·2	71·4	70·9	74·1	23·4	13 19	79·7	5 50	69·8	19
77·5	76·1	74·8	73·9	73·1	71·9	71·0	70·0	68·5	71·7	22·1	14 25	77·9	6 55	65·5	20
78·0	76·8	75·1	74·4	73·5	72·3	71·1	69·5	68·1	70·9	21·6	13 32	78·8	6 26	63·4	21
78·3	77·3	75·5	74·8	74·0	72·9	71·6	70·5	69·9	71·2	21·8	15 15	78·6	6 40	62·6	22
81·3	79·1	76·8	75·1	74·6	74·5	74·0	73·5	72·1	74·0	23·3	13 3	82·7	5 10	66·7	23
79·2	77·9	76·0	74·8	74·3	73·7	73·4	72·8	72·6	73·7	23·2	13 46	80·7	4 50	67·6	24
78·9	77·0	75·7	75·4	75·3	74·5	73·4	71·9	71·5	73·9	23·3	12 33	80·6	7 0	67·2	25
78·5	77·1	75·5	74·5	74·0	73·3	72·5	71·5	70·5	73·1	22·8	13 36	79·9	5 0	67·0	26
77·0	75·3	74·0	73·0	72·4	71·0	69·8	68·5	67·1	70·8	21·6	14 15	78·1	7 0	64·0	27
77·0	75·3	73·5	72·6	72·1	70·9	70·0	67·9	67·4	70·7	21·5	14 30	77·6	4 35	64·1	28
78·0	76·9	74·8	73·2	73·0	71·8	70·1	71·2	71·2	**70·5**	**21·4**	14 29	78·5	5 58	**62·2**	29
82·3	79·1	76·3	74·5	73·5	72·5	72·0	71·8	71·7	74·5	23·6	14 35	85·3	6 45	68·8	30
80·5	76·1	76·1	74·1	73·0	72·5	71·4	70·5	70·5	73·2	22·9	15 30	81·0	6 50	68·0	31
82·4	80·6	78·8	77·7	77·1	76·3	75·4	74·4	73·9	76·3	24·6					Mean.
+6·1	+4·3	+2·5	+1·4	+0·8	0·0	—0·9	—1·9	—2·4							Variation.
28·0	27·0	26·0	25·4	25·1	24·6	24·1	23·6	23·3							Mean in °C.
+3·4	+2·4	+1·4	+0·8	+0·5	0	—0·5	—1·0	—1·3							Variation in °.

RELATIVE HUMIDITY, 1936.

(Averages for sixty minutes from full hour to full hour of local mean time.)

JANUARY. (IN PERCENTAGES.)

Date.	Hours (B. M. T.).												
	0—1	1—2	2—3	3—4	4—5	5—6	6—7	7—8	8—9	9—10	10—11	11—12	12—13
1	68	68	66	73	69	70	72	69	68	65	58	59	58
2	85	85	86	83	85	84	87	83	78	75	73	71	69
3	82	83	82	81	82	83	84	81	73	74	69	64	55
4	70	75	77	77	73	74	78	77	75	67	59	55	55
5	65	71	72	73	74	75	76	74	72	69	65	63	61
6	73	73	72	73	73	74	79	75	72	62	49	44	43
7	51	50	56	60	70	70	67	65	61	45	39	33	33
8	50	58	58	52	53	49	48	47	42	41	39	37	38
9	66	72	64	64	66	71	69	67	63	61	57	56	55
10	79	83	82	83	81	82	83	81	74	67	61	51	54
11	84	77	80	81	80	77	82	80	77	72	67	59	54
12	68	71	69	64	62	59	59	64	66	64	66	56	54
13	56	56	56	58	56	58	60	65	60	56	51	50	51
14	83	84	85	88	88	88	89	86	83	77	73	68	68
15	80	80	78	78	71	61	55	54	51	46	43	37	39
16	54	52	52	52	53	52	50	48	44	49	46	42	43
17	75	77	78	81	74	77	78	73	71	65	53	53	49
18	74	74	76	77	78	73	72	70	68	69	58	41	46
19	79	86	87	87	82	78	81	79	71	66	59	45	44
20	88	90	90	89	90	90	90	89	84	82	77	77	73
21	84	84	85	85	87	87	86	85	83	79	73	70	71
22	84	85	86	87	89	89	89	88	84	80	76	73	72
23	81	78	81	81	79	84	85	86	83	72	57	55	54
24	42	46	49	49	52	53	54	54	46	41	34	29	30
25	63	66	67	71	70	60	59	57	52	64	59	56	47
26	55	55	60	62	69	71	72	69	69	66	58	39	37
27	60	59	60	61	62	64	66	70	65	63	58	49	42
28	78	78	75	73	73	68	76	80	74	69	66	64	66
29	71	71	70	68	68	71	80	79	75	72	60	52	49
30	69	76	78	77	77	76	73	73	74	68	64	55	52
31	70	74	73	66	64	68	65	55	48	46	43	43	43
Mean .	70·5	72·2	72·6	72·7	72·6	72·1	73·0	71·7	67·9	64·3	58·4	53·1	51·8
Mean Vapour Pressure in inches of mercury.*	·531	·533	·531	·525	·515	·508	·507	·513	·523	·528	·515	·496	·504

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1	70	78	78	71	68	67	69	69	62	63	48	45	38
2	60	75	81	80	72	73	75	73	64	64	62	57	60
3	56	55	49	51	52	51	59	59	57	55	54	47	45
4	73	75	78	78	76	67	76	79	65	67	65	53	52
5	59	60	60	57	58	66	65	63	63	58	51	48	47
6	66	67	70	72	74	75	77	77	70	66	65	61	60
7	79	78	77	79	80	84	81	83	82	78	74	64	59
8	72	74	72	67	64	64	70	74	71	65	62	60	52
9	71	66	64	57	57	54	55	60	57	57	49	41	32
10	56	53	57	59	62	64	64	61	53	51	42	36	37
11	80	82	83	82	81	80	77	74	68	65	68	75	76
12	90	89	89	89	90	90	90	89	88	84	76	65	62
13	88	88	88	90	89	89	90	88	88	83	77	73	72
14	85	86	87	88	88	88	87	85	82	79	74	71	67
15	77	78	81	81	83	83	84	83	79	74	68	64	60
16	76	76	72	72	76	79	83	79	75	73	68	65	61
17	72	72	73	76	79	80	80	78	74	71	67	64	62
18	76	77	79	80	83	83	83	84	81	76	68	61	63
19	69	69	72	73	74	74	77	78	72	62	55	51	51
20	70	73	75	74	74	75	76	74	73	70	64	61	61
21	79	80	82	83	82	84	84	84	79	69	66	63	62
22	82	83	83	84	82	81	83	85	81	77	71	70	66
23	78	80	81	82	81	82	82	81	81	75	69	65	62
24	82	84	85	86	87	86	83	82	80	75	66	64	63
25	85	86	87	88	86	87	86	84	78	73	69	67	68
26	80	83	78	69	74	79	80	79	73	71	67	65	66
27	77	78	78	80	81	83	82	81	81	80	70	61	58
28	78	79	81	82	82	82	83	80	79	74	70	66	60
29	83	83	83	85	85	85	84	85	79	72	68	67	67
Mean .	74·8	76·1	76·7	76·4	76·6	77·1	78·1	77·6	73·8	69·9	64·6	60·3	58·2
Mean Vapour Pressure in inches of mercury.	·596	·600	·599	·592	·588	·588	·591	·604	·612	·614	·604	·589	·589

*Computed from mean temperatures and mean relative humidities.

(Averages for sixty minutes from full hour to full hour of local mean t me.)

JANUARY. (IN PERCENTAGES.)

Hours (B.M.T.).											Mean.	Mean Vapuor Pressure in inches of mercury.*	Date.
13—14	14—15	15—16	16—17	17—18	18—19	19—20	20—21	21—22	22—23	23—24			
61	62	63	65	69	74	80	81	84	86	86	69·7	·631	1
67	68	71	70	70	70	72	77	76	77	78	76·7	**·696**	2
52	53	58	60	65	67	66	66	65	69	70	70·0	·623	3
51	48	48	51	56	56	61	62	63	68	65	64·2	·547	4
61	61	62	62	65	69	70	69	69	68	69	68·1	·557	5
42	44	44	44	47	53	54	51	53	53	53	58·3	·452	6
34	35	38	38	43	45	52	52	53	53	47	49·6	·373	7
43	45	48	53	57	59	60	61	61	59	61	50·1	**·369**	8
54	54	55	57	64	70	73	78	78	73	70	64·9	·508	9
60	64	67	69	75	79	82	86	87	87	88	75·2	·626	10
54	56	65	70	76	79	78	75	74	69	69	72·3	·628	11
55	57	57	61	63	64	66	64	61	57	56	63·5	·548	12
55	58	61	64	70	77	79	80	83	83	84	63·6	·533	13
66	63	62	63	68	74	77	77	80	83	83	77·3	·663	14
43	45	49	57	60	59	64	66	63	57	55	58·0	·475	15
44	49	54	57	61	65	63	66	71	71	72	54.6	·431	16
47	51	54	61	63	68	66	68	71	74	73	66.7	·546	17
45	46	50	62	70	72	74	74	77	77	73	66·5	·561	18
54	57	61	68	72	78	79	80	83	86	86	72·8	·630	19
69	68	68	67	69	70	71	74	77	81	83	79·4	·695	20
68	68	68	71	76	79	79	80	81	83	84	79·0	·682	21
72	72	72	73	75	78	79	79	80	79	80	**80·0**	·690	22
53	50	54	55	53	53	53	53	57	60	54	65·5	·558	23
33	41	45	48	53	56	56	61	62	64	66	**48·5**	·376	24
46	46	49	52	50	50	49	50	51	61	58	56·4	·421	25
39	43	42	45	51	52	55	57	64	61	59	56·3	·425	26
43	46	48	54	57	64	65	67	72	76	78	60·4	·456	27
66	63	60	60	62	65	69	72	73	71	69	69·6	·545	28
52	43	43	46	49	56	59	58	57	61	65	61·5	·505	29
48	50	51	55	57	57	57	58	62	69	71	64·5	·507	30
56	57	59	61	62	63	64	61	60	64	65	59·6	·476	31
52·7	53·6	55·7	58·7	62·2	65·2	66·8	67·8	69·3	70·3	70·0	65·2	·540	Mean.
·521	·530	·545	·555	·555	·559	**·563**	·561	·561	·550	·535	·532		Mean Vapour Pressure in inches of mercury.*

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37	43	54	64	68	74	75	76	74	67	63	63·6	·570	1
60	62	62	61	64	66	68	74	74	70	67	67·7	·592	2
49	54	54	62	63	65	62	67	68	72	74	57.5	·520	3
66	65	71	78	75	68	68	68	64	55	54	68·2	·603	4
43	47	49	53	58	61	63	66	69	67	63	58·1	·522	5
60	60	59	60	61	65	66	67	67	75	81	67·5	·581	6
60	59	59	59	62	66	69	69	71	72	74	71·6	·584	7
49	51	51	53	57	57	59	59	64	64	64	62·3	**·492**	8
47	55	61	63	65	65	68	68	67	66	65	58·7	·492	9
35	42	44	53	62	65	66	71	76	77	79	**56·9**	·530	10
75	75	74	76	79	82	84	87	88	88	89	78·7	·729	11
64	66	67	73	78	80	82	83	86	87	88	**81·0**	**·730**	12
72	70	68	67	69	73	76	78	80	82	84	80·0	·707	13
65	61	57	56	62	66	68	72	74	76	76	75·0	·654	14
60	61	60	58	60	67	70	72	71	71	74	71·6	·616	15
59	59	60	62	64	68	68	69	69	71	72	69·8	·591	16
63	63	63	65	68	69	68	70	72	76	77	70·9	·608	17
60	60	59	61	66	69	72	70	69	72	66	71·6	·620	18
54	54	56	58	60	63	64	67	68	68	67	64·8	·546	19
61	62	64	65	68	72	73	74	74	76	78	70·3	·577	20
62	61	62	65	70	72	74	75	78	78	81	74·0	·633	21
64	61	61	59	62	67	69	71	74	77	77	73·7	·649	22
62	62	64	62	65	71	74	75	77	79	80	73.7	·636	23
62	63	65	67	73	78	79	79	80	83	83	76·5	·654	24
66	67	65	65	69	71	72	72	74	75	80	75·8	·661	25
66	64	64	64	66	68	69	72	72	74	76	71·6	·620	26
56	55	56	58	63	65	68	70	75	77	77	71·3	·612	27
62	65	66	65	68	73	75	77	78	80	82	74·5	·652	28
67	66	68	70	71	74	76	77	78	80	81	76·4	·680	29
58·8	59·8	60·8	62·8	66·1	69·0	70·5	72·2	73·5	74·3	74·9	70·1	·609	Mean.
·605	·615	·619	.619	·616	·614	·615	·619	**·620**	·614	·609	·605		Mean Vapour Pressure in inches of mercury.*

*Computed from mean temperatures and mean relative humidities.

RELATIVE HUMIDITY, 1936.

(Averages for sixty minutes from full hour to full hour of local mean time.)

MARCH. (IN PERCENTAGES.)

Date.	Hours (B. M. T.).												
	0—1	1—2	2—3	3—4	4—5	5—6	6—7	7—8	8—9	9—10	10—11	11—12	12—13
1	83	83	84	84	84	85	85	83	79	75	71	64	64
2	82	76	76	74	72	74	69	62	57	55	52	49	48
3†													
4†													
5†													
6	74	74	77	73	80	77	71	70	68	69	72	71	66
7	84	86	85	86	88	88	88	85	80	78	78	75	73
8	86	84	81	82	86	84	82	74	63	59	55	53	56
9	77	77	75	75	75	74	77	74	63	60	57	58	57
10	60	67	70	72	72	72	72	69	67	63	56	57	58
11	59	55	54	53	46	44	45	40	33	35	34	42	45
12	67	62	57	64	59	60	58	60	49	41	52	42	23
13	68	72	73	76	64	68	66	61	55	39	29	26	31
14	56	65	71	62	46	58	63	54	46	37	25	31	39
15	43	48	75	67	59	56	67	69	61	57	50	44	36
16	72	77	77	77	77	76	72	62	55	43	52	51	53
17	75	76	79	75	75	77	72	72	64	61	50	57	63
18	54	57	62	75	77	70	71	67	67	74	75	76	75
19	87	86	88	88	86	85	86	86	83	79	76	72	71
20	85	82	81	80	81	82	88	84	79	75	72	71	71
21	84	83	81	82	83	82	83	80	75	68	63	53	54
22	78	81	84	86	86	86	86	81	69	70	63	64	66
23	80	80	83	83	74	70	67	73	60	62	65	67	67
24	77	80	84	85	87	86	86	82	77	66	60	67	68
25	73	79	80	80	80	81	84	84	79	77	77	75	72
26	80	80	80	82	82	84	84	80	70	70	72	72	72
27	80	79	79	84	88	87	87	87	83	74	58	61	65
28	85	86	87	86	84	84	84	78	67	68	74	69	64
29	71	72	77	80	82	84	80	76	74	76	73	72	68
30	78	78	75	72	76	78	80	76	73	72	72	71	65
31	79	82	75	72	69	68	72	67	64	57	54	56	60
Mean .	74·0	75·3	76·8	77·0	75·6	75·7	75·9	72·7	66·4	62·9	60·3	59·5	58·9
Mean Vapour Pressure in inches of mercury.*	·685	·688	·690	·685	·666	·658	·657	·663	·657	·664	·675	·694	·706

APRIL.

1	81	81	82	81	79	82	74	74	65	62	54	55	54
2	79	79	80	82	82	84	82	82	77	74	72	65	63
3	82	81	83	83	84	83	82	80	77	75	71	69	59
4	85	84	83	82	83	83	84	81	77	73	71	69	69
5	75	74	74	75	76	76	76	73	68	64	63	63	63
6	72	74	74	73	73	72	73	69	67	65	64	62	61
7	75	76	77	76	77	76	74	71	67	66	63	62	62
8	77	77	78	79	79	79	77	75	68	66	67	66	68
9	79	78	82	82	82	82	83	79	75	73	71	68	68
10	78	80	80	82	81	80	73	66	58	53	52	54	53
11	83	84	83	84	85	81	85	82	78	74	72	67	59
12	84	85	84	86	85	85	83	78	70	70	73	67	65
13	82	81	83	83	84	85	84	82	73	67	64	68	67
14	84	82	82	83	84	84	83	79	75	72	72	68	68
15	80	79	80	80	77	79	80	78	74	66	66	68	68
16	85	84	85	84	84	85	85	81	75	71	69	70	64
17	74	77	80	81	81	82	83	79	76	72	74	70	70
18	67	71	72	73	75	76	78	74	70	70	70	68	68
19	82	83	83	84	83	82	79	78	75	74	73	72	71
20	83	82	81	81	82	84	84	83	78	74	72	68	69
21	78	81	82	83	84	84	81	79	76	73	72	70	69
22	85	86	85	87	89	86	86	79	73	72	77	76	72
23	86	87	85	85	86	86	84	83	80	75	69	65	68
24	84	86	85	85	85	86	84	79	75	69	68	66	66
25	77	80	82	82	83	84	79	76	75	75	70	68	63
26	79	77	75	75	76	78	77	74	76	72	66	63	61
27	78	76	75	75	76	74	77	75	75	69	64	62	59
28	77	75	75	74	76	78	78	74	70	66	63	63	62
29	80	79	79	78	78	78	79	77	70	68	67	66	67
30	82	81	81	81	84	84	83	81	78	74	74	71	72
31													
Mean .	79·8	80·0	80·3	80·6	81·1	81·3	80·3	77·4	73·0	69·8	68·1	66·3	64·9
Mean Vapour Pressure in inches of mercury.*	·807	·804	·797	·795	·792	·789	·792	·801	·804	·804	·813	·812	·813

* Computed from mean temperatures and mean relative humidities.

†Records destroyed by fire. The day has been omitted for means.

(Averages for sixty minutes from full hour to full hour of local mean time.)

MARCH. (IN PERCENTAGES.)

Hours (B. M. T.).											Mean.	Mean Vapour Pressure in inches of mercury.*	Date.
13—14	14—15	15—16	16—17	17—18	18—19	19—20	20—21	21—22	22—23	23—24			
64	62	61	62	62	66	68	71	70	69	71	72·9	·660	1
51	54	56	58	61	62	62	59	54	55	54	61·3	·517	2
													3†
													4†
													5†
65	65	66	67	69	76	78	82	82	82	84	73·3	·744	6
71	67	68	71	76	82	83	84	86	86	86	80·6	·787	7
58	54	53	51	57	60	59	63	66	68	74	67·0	·616	8
54	51	51	52	61	60	62	62	62	59	60	63·9	·543	9
59	58	52	46	46	50	56	51	47	43	52	59·0	·518	10
48	50	47	48	54	56	60	62	58	58	64	49·6	·455	11
33	49	47	50	50	46	44	52	59	61	60	51·9	·560	12
44	54	53	51	47	48	48	46	40	41	45	51·7	·569	13
42	39	42	49	59	58	57	53	51	41	39	49·3	·548	14
36	32	42	48	59	71	64	60	61	64	71	55·8	·614	15
55	52	49	51	53	59	64	66	72	76	78	63·3	·653	16
64	62	61	63	63	59	57	59	47	50	52	63·9	·664	17
75	75	76	77	80	83	84	85	86	87	88	74·8	·762	18
71	71	72	75	77	80	82	82	82	84	85	80·6	·818	19
71	69	71	71	73	78	81	83	83	83	85	78·3	·777	20
52	56	61	64	67	69	69	72	75	75	76	71·1	·680	21
68	66	59	56	56	62	66	70	78	78	77	72·3	·711	22
66	63	61	61	66	70	73	76	80	78	75	70·8	·711	23
61	56	56	55	60	63	66	70	74	76	76	71·6	·741	24
72	71	70	70	71	76	76	77	76	78	78	76·5	·805	25
73	71	66	65	68	72	72	76	78	80	84	75·5	·784	26
67	68	70	73	76	79	78	79	80	81	84	77·0	·837	27
62	64	64	62	64	69	71	73	72	69	72	73·3	·826	28
66	67	66	66	68	71	72	73	76	73	74	73·2	·799	29
63	65	66	68	68	69	70	69	71	77	76	72·0	·780	30
64	63	64	67	73	75	77	76	78	78	79	69·5	·753	31
59·8	59·8	59·6	60·6	63·7	66·7	67·8	69·0	69·4	69·6	71·4	67·9	·687	Mean.
·716	·709	·698	·690	·686	·684	·684	·684	·677	·662	·672	·681		Mean Vapour Pressure in inches of mercury.*

APRIL.

52	54	52	57	64	66	67	70	74	76	78	68·1	·731	1
63	64	65	67	71	76	79	79	79	80	80	75·2	·774	2
55	56	57	62	69	75	78	81	81	84	83	74·6	·793	3
67	67	68	68	69	72	74	78	78	75	74	75·6	·825	4
62	61	64	62	65	68	69	69	69	71	71	68·8	·748	5
61	60	61	62	66	69	71	72	73	74	75	68·5	·744	6
62	62	63	64	67	72	74	73	76	76	75	70·4	·763	7
65	62	61	59	60	63	67	71	75	77	80	70·7	·773	8
67	63	61	61	64	67	69	71	71	70	73	72·5	·798	9
57	60	58	57	57	63	68	74	78	77	82	67·5	·738	10
60	62	65	66	68	75	77	76	75	77	81	75·0	·813	11
65	66	68	70	72	75	77	80	79	80	82	76·2	·807	12
67	66	66	68	70	75	78	81	81	83	83	75·9	·828	13
68	67	69	70	75	80	81	81	81	79	78	76·9	·853	14
70	72	70	71	77	80	82	83	85	84	85	76·4	·841	15
62	62	65	67	71	74	74	73	77	77	77	75·0	·832	16
66	63	58	55	59	62	67	67	61	65	65	70·3	·792	17
66	67	70	71	72	75	77	79	80	81	80	72·9	·835	18
71	70	71	73	75	81	81	83	83	84	83	78·1	·891	19
69	68	69	70	74	77	81	77	78	77	77	76·6	·857	20
71	69	70	73	75	80	82	84	85	86	84	78·0	·862	21
71	68	67	67	73	77	78	78	81	83	84	78·3	·874	22
68	68	68	71	74	77	80	81	83	83	83	78·1	·854	23
63	63	64	64	68	72	74	76	73	74	75	74·3	·813	24
60	62	63	66	69	73	74	79	80	81	78	74·1	·800	25
64	65	65	66	69	73	74	75	75	78	79	72·2	·783	26
59	60	61	62	67	69	70	72	73	75	75	69·9	·753	27
63	63	65	67	70	73	77	78	80	81	82	72·1	·779	28
68	69	69	73	77	79	80	81	83	84	83	76·5	·826	29
72	68	66	63	69	76	78	80	81	78	73	76·3	·874	30
64·5	64·2	64·6	65·7	69·2	73·1	75·3	76·8	77·6	78·3	78·6	73·8	·808	Mean.
·816	·815	·807	·797	·800	·803	·811	·811	·812	·814	·809	·805		Mean Vapour Pressure in inches of mercury.*

* Computed from mean temperatures and mean relative humidities.

† Records destroyed by fire. The day has been omitted for means.

RELATIVE HUMIDITY, 1936.

(Averages for sixty minutes from full hour to full hour of local mean time.)

MAY. (IN PERCENTAGES.)

Date.	Hours. (B.M.T.)												
	0—1	1—2	2—3	3—4	4—5	5—6	6—7	7—8	8—9	9—10	10—11	11—12	12—13
1	77	78	78	80	80	82	79	81	79	75	72	70	68
2	80	80	82	82	82	82	81	79	73	71	70	68	67
3	81	83	84	83	81	79	78	76	72	71	69	67	66
4	78	78	77	78	80	82	82	78	73	71	67	66	64
5	83	82	83	83	85	**86**	84	81	74	68	68	65	62
6	84	85	86	86	85	86	85	80	75	75	74	71	67
7	84	84	84	85	86	86	84	81	76	72	70	70	71
8	81	81	80	80	82	83	**83**	79	74	70	69	69	67
9	84	85	86	85	83	83	**83**	79	75	74	72	71	69
10	80	83	84	84	85	85	85	82	77	76	72	70	69
11	82	83	83	82	83	81	83	78	72	70	67	67	67
12	82	83	83	82	83	82	83	79	74	69	67	67	66
13	80	80	81	81	82	82	81	77	72	67	66	65	66
14	79	79	80	80	79	79	79	74	72	68	66	66	64
15	77	79	79	79	79	79	79	77	74	73	69	65	65
16	79	79	79	79	80	79	79	77	74	71	70	69	66
17	78	77	78	81	79	82	81	79	77	77	74	73	70
18	81	81	80	82	82	82	81	79	75	70	69	69	69
19	79	78	80	81	83	85	83	80	75	74	74	73	70
20	81	81	82	82	82	82	79	76	75	72	69	65	68
21	79	80	81	80	81	81	79	79	76	71	69	66	63
22	80	80	80	81	80	80	78	77	71	68	64	63	**61**
23	73	73	73	73	73	73	72	70	68	66	63	63	62
24	74	75	75	75	75	75	75	73	69	67	66	64	64
25	78	79	79	81	80	80	79	77	74	71	69	67	67
26	78	78	79	80	81	81	80	78	78	77	72	67	67
27	77	77	79	77	77	76	76	76	75	72	71	71	67
28	76	76	76	75	77	77	77	76	72	71	68	66	65
29	79	78	78	77	77	77	80	79	73	71	69	68	67
30	79	78	79	80	80	79	81	82	77	85	83	79	76
31	80	81	81	83	85	86	85	83	79	77	73	70	71
Mean	79·5	79·8	80·3	80·5	80·9	**81·0**	80·5	78·1	74·2	71·9	69·7	68·1	66·8
Mean Vapour Pressure in inches of mercury.*	·896	·891	·890	·887	·885	**·883**	·892	·897	·894	·898	·901	·900	·900

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1	81	80	79	79	79	79	79	78	75	72	69	67	**63**
2	78	80	79	77	81	81	81	79	79	79	78	72	71
3	76	82	81	80	80	81	82	80	78	76	73	71	70
4	81	81	80	81	82	80	80	75	82	83	82	84	84
5	90	89	87	87	87	86	85	87	88	86	79	75	76
6	79	78	79	79	80	79	78	78	78	75	74	73	73
7	79	77	81	80	79	79	81	76	72	71	69	70	69
8	79	80	80	81	81	80	80	79	76	75	74	72	72
9	77	78	79	77	79	79	79	77	73	72	69	67	68
10	75	75	75	76	74	74	79	79	74	71	69	68	64
11	73	75	75	75	75	72	75	74	70	77	77	72	69
12	81	84	87	88	87	88	87	87	90	89	89	89	90
13	81	72	76	74	72	74	80	80	76	77	78	77	76
14	73	77	83	86	79	79	84	85	83	81	80	77	71
15	75	77	76	77	80	79	75	75	74	74	70	68	70
16	75	73	75	75	75	75	75	73	74	73	75	74	72
17	81	84	85	83	81	84	83	82	85	84	81	81	82
18	83	83	81	81	85	87	89	89	89	89	88	86	85
19	86	86	89	89	89	89	88	86	85	82	81	80	77
20	83	85	83	81	81	81	83	85	83	81	80	79	79
21	81	81	81	81	82	83	86	87	92	91	87	85	83
22	92	91	92	92	93	93	92	91	93	93	92	91	92
23	88	87	90	91	92	91	89	89	91	89	89	91	89
24	91	91	89	90	93	93	93	92	93	91	93	93	92
25	87	87	88	89	88	89	88	89	86	86	85	86	84
26	91	89	93	90	91	89	85	89	90	91	88	88	87
27	89	89	85	85	89	90	92	92	90	90	93	94	93
28	93	92	92	91	91	90	90	91	91	90	93	94	89
29	89	90	89	89	89	89	89	89	90	89	86	85	83
30	87	88	89	89	89	87	88	86	85	83	82	81	83
Mean	82·5	82·7	83·3	83·1	83.4	83·3	**83·8**	83·3	82·8	82·0	80·8	79·6	78·5
Mean Vapour Pressure in inches of mercury.*	·885	·887	·888	·878	·877	**·876**	·885	·891	·898	·903	·916	·920	·922

*Computed from mean temperatures and mean relative humidities.

(Averages for sixty minutes from full hour to full hour of local mean time,)

MAY. (IN PERCENTAGES.)

Hours (B.M.T.)											Mean.	Mean Vapour Pressure in inches of mercury.*	Date.
13—14	14—15	15—16	16—17	17—18	18—19	19—20	20—21	21—22	22—23	23—24			
67	69	69	71	74	76	78	79	80	81	81	76.0	·867	1
66	66	69	71	74	78	79	81	81	82	81	76·0	·859	2
65	65	65	67	70	76	78	80	81	81	78	74·8	·851	3
64	64	67	70	74	77	80	81	80	81	83	74·8	**·845**	4
62	65	66	69	73	77	79	81	81	80	83	75·8	·873	5
65	66	67	72	77	81	82	83	84	83	85	**78·5**	·905	6
69	69	71	73	76	79	81	81	81	81	81	78·1	·903	7
66	66	67	71	74	77	80	81	82	82	83	76·1	·894	8
68	69	69	72	76	80	81	80	80	77	79	77·5	·916	9
68	67	70	71	74	80	81	83	83	81	81	78·0	·922	10
67	67	67	69	72	77	79	82	83	81	81	76·0	·899	11
68	67	68	69	70	76	77	78	79	79	79	75·4	·897	12
66	66	67	68	72	76	76	77	78	77	77	74.2	·897	13
64	64	66	67	71	75	76	77	77	77	77	73·2	·885	14
66	66	68	70	73	74	76	76	76	77	77	73.9	·897	15
64	67	68	70	75	77	80	81	81	79	79	75·1	·914	16
71	73	74	75	76	77	80	81	81	82	82	77·4	·903	17
71	72	73	72	74	76	76	76	78	78	79	76·0	·913	18
68	66	68	71	75	78	79	79	79	81	80	76·6	·920	19
65	65	65	67	71	74	76	76	77	78	78	74·4	·920	20
62	63	66	67	71	74	77	78	79	79	80	74·2	·923	21
61	61	62	63	69	72	72	73	73	72	71	71·3	·887	22
61	63	63	65	69	69	70	73	74	74	74	**69·0**	·853	23
64	65	66	67	69	72	74	75	76	77	77	71·2	·895	24
66	65	66	67	71	72	73	75	76	77	77	73·6	·922	25
66	66	67	69	70	72	74	75	76	76	77	74·3	·928	26
65	65	67	65	69	70	73	74	76	76	76	72·8	·915	27
66	65	65	68	69	72	73	76	77	76	77	72.3	·917	28
66	65	68	72	76	77	78	79	79	79	79	74·6	·937	29
74	74	74	74	74	77	78	79	81	81	81	78.5	·952	30
71	68	69	69	73	75	76	77	78	78	79	77·0	**·956**	31
66·2	66·4	67·6	69·4	72·6	75·6	77·2	78·3	78·9	78·8	79·1	75·1	·902	Mean.
·900	·900	·908	·906	**·913**	·908	·910	·911	·912	·902	·900	·899		*Mean Vapour Pressure in inches of mercury.

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63	64	65	66	70	72	75	79	77	80	78	73·7	·921	1
69	68	70	69	72	74	77	79	76	78	78	76·0	·934	2
71	69	72	71	72	76	75	78	80	81	80	76·5	·925	3
86	84	84	85	86	88	88	89	89	91	88	83·9	·897	4
77	77	74	78	79	79	77	78	79	77	79	81·5	·933	5
73	71	73	73	74	77	77	79	79	79	79	76·5	·931	6
69	69	72	73	72	76	77	76	77	79	79	75·1	·920	7
70	73	75	74	74	75	77	77	77	76	75	75·9	·927	8
75	73	69	69	70	73	74	73	74	73	75	73·8	·892	9
64	63	64	64	67	68	72	72	72	73	74	**71·0**	·867	10
70	67	69	70	72	71	76	73	75	79	85	73·6	·868	11
88	89	87	86	84	84	83	77	77	85	84	85·8	**·802**	12
74	70	72	76	78	78	81	77	81	80	77	76·5	·818	13
70	71	72	70	71	71	77	77	76	74	75	76·7	·843	14
72	74	74	76	77	72	73	74	73	73	73	74·2	·858	15
71	72	73	76	77	77	85	81	81	82	81	75·8	.876	16
80	78	77	79	81	80	81	83	81	81	81	81·6	·907	17
87	86	84	82	83	83	83	85	85	83	83	85·0	·894	18
77	76	76	77	78	79	79	81	82	81	82	82·3	·942	19
76	75	74	76	78	77	80	82	82	85	83	80·5	·943	20
82	79	79	81	82	83	86	90	91	92	93	84·9	·903	21
92	91	91	82	81	82	83	90	89	87	88	89·7	·850	22
92	93	91	87	89	88	89	91	93	93	**94**	90·3	·881	23
90	88	87	87	86	87	87	87	87	87	87	89·7	·938	24
83	83	83	84	87	86	87	89	89	89	89	86·7	**·961**	25
87	87	89	92	89	91	91	88	88	90	87	89·2	·880	26
91	92	87	92	91	91	93	94	93	94	92	90·9	·814	27
93	93	94	93	91	89	89	89	90	90	90	**91·1**	·877	28
82	81	81	81	83	84	85	85	87	86	87	86·2	·949	29
82	81	83	83	85	87	88	86	85	85	85	85·3	·939	30
78·5	77·9	78·0	78·4	79·3	79·9	81·5	82·0	82·2	82·8	82·7	81·3	·897	Mean.
·926	·918	·920	·909	·902	·888	·895	·891	·897	·898	·893	·898		*Mean Vapour Pressure in inches of mercury.

*Computed from mean temperatures and mean relative humidities.

RELATIVE HUMIDITY, 1936.

(Averages for sixty minutes from full hour to full hour of local mean time.)

JULY. (IN PERCENTAGES.)

Date.	Hours (B.M.T.).												
	0—1	1—2	2—3	3—4	4—5	5—6	6—7	7—8	8—9	9—10	10—11	11—12	12—13
1	86	85	85	85	84	83	83	81	85	83	81	79	78
2	89	86	85	86	83	85	85	85	85	86	82	83	81
3	87	88	87	87	86	89	88	87	87	87	85	85	87
4	88	90	88	87	88	87	86	85	84	83	81	81	79
5	84	84	87	86	86	86	85	85	84	83	81	80	79
6	83	83	86	87	85	84	83	82	80	79	77	78	77
7	84	83	84	86	85	85	85	83	81	80	79	77	77
8	86	86	89	89	87	86	83	85	83	83	81	81	79
9	85	82	88	88	85	85	85	82	77	82	85	82	79
10	83	83	83	83	83	84	87	87	84	80	81	77	79
11	85	84	83	83	85	86	78	78	85	85	79	77	79
12	84	85	86	86	84	83	83	83	84	81	81	81	79
13	84	82	85	89	84	85	83	84	84	85	91	89	87
14	85	85	83	84	85	78	83	81	80	77	78	77	81
15	84	84	83	84	84	82	83	80	75	80	78	78	75
16	83	83	85	85	85	85	85	87	88	84	81	78	79
17	83	83	84	86	87	88	86	83	83	83	83	86	83
18	83	83	82	81	83	83	84	81	85	86	91	86	81
19	86	89	85	85	84	84	84	83	82	81	80	79	78
20	82	83	81	81	82	81	82	85	81	81	80	82	87
21	86	85	85	84	82	81	82	81	82	81	81	80	79
22	86	84	89	88	91	92	90	88	86	87	87	87	87
23	89	88	88	88	87	87	87	86	86	84	83	80	79
24	86	85	85	86	85	84	85	85	85	83	81	81	79
25	84	88	86	82	84	83	86	87	87	85	80	81	82
26	84	87	87	85	87	86	85	84	86	85	81	80	79
27	91	92	89	87	84	85	84	85	85	81	79	81	80
28	85	84	85	85	85	87	87	85	81	80	79	80	77
29	84	85	83	83	87	87	87	86	85	82	81	80	84
30	87	88	89	89	88	89	87	87	86	87	87	85	85
31	86	86	89	87	89	90	89	86	85	85	85	84	83
Mean .	85·2	85·3	85·6	85·5	85·3	85·2	84·8	84·1	83·6	82·9	81·9	81·0	80·6
Mean Vapour Pressure in inches of mercury*.	·894	·892	·889	·888	·886	·884	·890	·891	·903	·916	·923	·924	·926

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1	85	85	85	83	85	84	83	82	81	79	82	82	81
2	83	84	84	85	83	84	85	86	91	87	86	86	85
3	91	89	88	86	87	87	87	86	85	86	83	83	81
4	87	88	88	89	90	87	88	86	86	86	84	83	86
5	89	88	85	85	86	85	84	85	85	85	81	82	83
6	92	91	91	91	90	88	90	90	90	92	90	87	85
7	90	92	90	92	88	86	87	86	84	83	82	83	81
8	90	87	85	85	82	86	88	85	85	83	81	80	78
9	87	85	83	83	83	82	83	83	83	81	81	79	78
10	84	84	85	83	85	85	85	87	84	89	86	87	86
11	87	87	86	87	85	85	85	85	85	83	81	79	78
12	85	84	84	85	85	85	86	85	85	82	80	79	79
13	83	83	83	82	83	83	83	84	83	81	81	81	78
14	83	84	87	88	90	87	87	85	83	80	80	77	75
15	88	88	90	90	90	91	91	91	91	87	84	82	82
16	84	84	85	83	85	84	83	80	81	81	78	78	79
17	80	81	81	80	80	80	81	85	84	78	81	79	82
18	83	83	84	85	86	84	86	84	82	80	79	77	77
19	84	85	85	84	88	87	85	85	82	81	81	81	85
20	84	85	87	86	86	85	85	84	83	80	80	79	79
21	87	87	87	86	85	85	90	92	89	85	82	80	79
22	87	89	91	91	88	87	87	86	85	83	85	87	84
23	87	86	84	85	84	85	85	86	85	83	81	79	78
24	87	85	85	84	89	84	82	82	83	83	83	79	78
25	84	89	86	84	84	84	84	87	82	79	79	77	75
26	82	81	80	81	80	81	80	79	77	76	75	77	78
27	82	87	85	83	82	81	81	82	79	79	77	75	75
28	80	80	81	82	82	82	83	80	86	88	84	79	71
29	78	82	80	82	88	87	88	90	87	87	87	84	84
30	90	89	87	85	85	85	84	84	84	83	82	81	80
31	83	82	84	86	84	85	85	84	83	81	80	77	76
Mean . .	85·4	85·6	85·4	85·2	85·4	84·9	85·2	85·0	84·3	82·9	81·8	80·6	79·9
Mean Vapour pressure in inches of mercury*.	·862	·864	·859	·854	·856	·853	·856	·866	·882	·890	·901	·899	·897

* Computed from mean temperatures and mean relative humidities.

(Averages for sixty minutes from full hour to full hour of local mean time.)

JULY. (IN PERCENTAGES.)

Hours (B. M. T.).											Mean.	Mean Vapour Pressure in inches of mercury*.	Date.
13—14	14—15	15—16	16—17	17—18	18—19	19—20	20—21	21—22	22—23	23—24			
79	78	79	78	79	82	83	85	86	88	92	82·8	·915	1
79	80	79	80	81	83	86	86	85	87	84	83·8	·926	2
87	87	86	86	85	87	88	87	88	87	89	87·0	·924	3
79	78	78	79	83	82	84	83	82	83	83	83·4	·925	4
79	78	76	76	78	79	79	80	81	81	81	81·6	·911	5
77	78	79	79	79	79	81	85	85	83	83	81·1	·896	6
79	77	79	81	83	82	83	81	84	87	86	82·1	·907	7
79	79	81	79	81	77	83	83	87	87	87	83·4	·916	8
80	79	79	79	80	85	85	85	83	85	83	82·8	·912	9
77	77	78	79	80	81	82	81	83	84	83	81·6	·913	10
79	78	77	77	79	81	82	81	81	82	84	81·2	·901	11
78	77	79	82	79	78	79	83	85	87	84	82·1	·904	12
82	80	81	82	82	83	85	85	85	85	84	84·8	·919	13
76	74	76	76	78	79	77	79	79	83	78	79.7	·898	14
77	78	77	77	79	79	80	81	83	82	82	80·2	·892	15
78	77	77	77	78	83	82	82	86	83	83	82·3	·915	16
79	78	79	81	81	83	83	83	85	86	83	83·3	·917	17
76	80	80	80	82	83	85	83	82	82	85	82·9	·904	18
77	78	79	79	80	84	84	83	82	82	83	82·1	·901	19
87	88	84	83	81	82	83	85	85	89	91	83·6	·885	20
80	83	81	83	85	88	88	87	84	89	87	83·5	·882	21
85	87	85	86	88	87	82	83	85	84	86	86·7	·877	22
80	78	80	79	80	83	83	84	82	83	83	83·6	·889	23
77	78	77	79	81	83	84	85	85	85	85	82·9	·890	24
81	80	81	81	81	83	83	83	84	86	86	83·5	·893	25
78	79	79	79	81	82	83	83	86	85	90	83·0	·890	26
79	79	77	81	80	81	84	85	85	87	86	83·6	·897	27
75	77	78	79	79	81	82	82	84	86	85	82 0	·900	28
83	80	78	78	80	81	83	84	83	85	85	83·1	·895	29
83	79	79	78	79	80	84	85	85	86	86	84·9	·891	30
86	83	79	80	80	80	78	83	84	84	83	84·3	·887	31
79·8	79·4	79·3	79·8	80·7	82·0	82·8	83·4	84·0	84·9	84·8	83·0	·902	Mean.
·928	·923	·920	·911	·901	·894	·892	·892	·892	·897	·890	·902		Mean Vapour Pressure in inches of mercury.*

AUGUST.

80	81	83	82	83	83	83	85	83	83	83	82·7	·885	1
84	84	82	84	84	87	87	87	87	87	90	85·5	·897	2
80	80	79	81	82	85	85	84	84	85	87	84·6	·913	3
85	81	80	81	82	85	87	87	86	89	89	85·8	·891	4
83	83	86	82	89	91	89	89	91	93	93	86·1	·888	5
86	91	90	89	88	89	90	91	90	89	89	89·5	·885	6
77	76	77	78	81	81	84	87	89	89	88	84·6	·885	7
81	79	79	80	81	83	82	83	83	82	85	83·0	·879	8
78	77	79	79	80	81	83	85	87	86	86	82·2	·885	9
81	79	84	79	78	80	83	84	84	87	87	84·0	·869	10
78	79	78	81	81	83	83	83	86	89	87	83·4	·895	11
78	77	77	76	78	81	82	83	83	82	83	81·8	·892	12
77	74	73	73	78	80	80	80	82	83	83	80·5	·875	13
76	77	77	77	79	82	85	91	91	92	91	83·5	·878	14
81	78	77	77	80	78	80	81	83	83	83	84·4	·865	15
79	76	78	79	78	78	80	79	81	81	80	80·6	·853	16
79	76	77	78	78	79	79	80	81	81	82	80·1	·857	17
76	76	77	79	80	80	82	81	82	84	85	81·3	·881	18
85	84	81	83	84	85	84	85	85	84	84	84·0	·873	19
78	78	78	81	82	83	84	87	89	88	86	83·2	·881	20
78	77	77	77	82	82	86	89	84	85	86	84·0	·867	21
87	85	91	94	92	88	88	87	87	86	87	87·6	·875	22
77	78	77	78	79	81	82	84	83	85	88	82·5	·879	23
79	79	79	75	78	83	85	81	80	81	82	81·9	·871	24
75	79	75	78	79	78	78	80	80	80	80	80·7	.855	25
75	74	74	75	77	77	78	78	80	80	80	78·1	.835	26
73	74	74	73	75	79	79	79	80	84	80	79·1	·841	27
76	73	75	75	78	79	81	82	80	78	80	79·8	·826	28
82	80	87	86	86	86	86	87	88	86	86	85·2	·834	29
79	80	81	79	81	84	81	83	83	82	83	83·1	·863	30
77	76	76	79	79	81	82	81	84	83	81	81·2	·866	31
79·4	78·7	79·1	79·6	81·0	82·3	83·2	84·0	84·4	84·7	85·0	83·0	·872	Mean.
·903	·892	·885	·871	·866	·861	·861	·864	·865	·866	·862	·872		Mean Vapour Pressure in inches of mercury.*

*Computed from mean temperatures and mean relative humidities.

RELATIVE HUMIDITY, 1936.

(Averages for sixty minutes from full hour to full hour of local mean time.)

SEPTEMBER. (IN PERCENTAGES.)

Date.	Hours. (B. M. T.).												
	0—1	1—2	2—3	3—4	4—5	5—6	6—7	7—8	8—9	9—10	10—11	11—12	12—13
1	83	80	83	87	90	89	86	88	87	84	87	83	80
2	87	84	86	84	86	87	85	83	82	81	79	79	76
3	83	84	83	84	85	85	85	84	83	81	79	83	77
4	85	85	85	85	84	82	84	80	81	83	79	78	81
5	89	89	88	86	87	86	85	85	83	83	83	85	85
6	87	89	90	88	87	86	89	89	89	90	87	88	91
7	94	93	94	95	95	94	94	93	92	90	89	91	88
8	92	92	89	91	91	93	91	90	90	88	88	87	93
9	94	94	93	93	91	91	91	89	88	87	88	86	87
10	89	90	90	89	90	90	88	87	87	84	83	83	84
11	86	86	85	88	85	87	85	87	88	87	83	81	85
12	89	89	87	88	88	87	90	88	89	88	89	91	91
13	91	89	89	88	88	81	87	89	90	90	88	86	83
14	87	88	89	89	87	86	88	88	86	83	83	80	80
15	86	84	84	84	84	87	86	85	81	79	79	77	75
16	84	83	83	84	86	89	89	88	85	81	77	77	75
17	83	84	86	86	89	89	90	89	86	82	77	75	74
18	81	82	84	85	86	89	89	87	83	79	75	74	70
19	84	82	84	84	86	87	86	85	85	79	77	76	78
20	91	91	90	89	87	86	88	84	80	79	78	75	76
21	91	83	85	87	87	88	88	87	84	82	78	76	77
22	90	91	86	88	87	87	90	87	84	81	81	79	82
23	88	89	91	90	88	90	91	89	87	83	79	78	78
24	89	89	89	90	90	89	88	87	89	90	85	83	83
25	87	86	86	88	90	89	87	87	86	83	79	78	77
26	87	88	88	89	90	90	83	86	85	83	85	83	76
27	91	90	90	89	91	91	90	88	86	83	79	78	77
28	87	87	87	88	89	89	88	85	83	81	81	80	80
29	90	89	89	89	89	91	91	90	88	86	83	79	80
30	87	88	89	89	89	88	88	89	83	81	80	78	75
Mean . .	87·4	87·3	87·4	87·8	88·1	88·1	88·0	87·1	85·7	83·7	81·9	80·9	80·5
*Mean Vapour Pressure in inches of mercury.	·887	·883	·879	·877	·877	·871	·873	·884	·902	·907	·920	·920	·922

OCTOBER.

1	86	87	87	89	89	87	87	87	86	82	81	79	80
2	88	89	89	91	91	91	91	88	85	83	80	79	76
3	82	82	81	81	83	86	87	83	77	74	73	73	72
4	87	87	84	85	84	85	85	83	80	77	75	73	70
5	84	82	82	84	88	88	90	87	83	80	77	74	68
6	83	83	82	82	85	87	87	87	85	81	79	76	73
7	87	88	87	87	88	88	88	86	82	78	77	77	75
8	87	85	86	87	88	88	89	89	85	81	77	74	72
9	84	85	86	86	85	85	85	83	79	77	73	71	72
10	87	84	86	88	89	89	88	85	77	74	76	77	78
11	88	88	89	89	89	90	90	87	84	81	75	75	73
12	88	88	89	90	90	89	89	88	84	79	75	73	72
13	86	86	86	86	87	88	86	85	84	80	76	75	74
14	85	86	88	84	87	87	91	88	83	79	74	71	69
15	82	82	80	78	68	69	72	69	70	71	69	56	61
16	90	91	87	85	80	80	80	80	77	71	65	60	59
17	83	85	84	83	79	80	80	79	72	64	57	53	54
18	78	73	80	80	80	82	82	80	71	53	44	54	57
19	86	80	82	82	80	80	80	75	67	57	44	38	37
20	87	88	85	82	78	73	81	78	72	69	58	49	49
21	80	78	80	75	67	66	76	70	69	65	59	58	52
22	82	84	82	81	80	81	83	82	78	67	44	46	46
23	83	83	80	78	78	78	78	71	62	55	48	49	51
24	71	66	74	76	78	75	69	65	60	56	52	42	47
25	88	87	87	86	84	86	83	81	74	61	56	42	49
26	77	73	72	73	73	73	75	71	68	67	64	57	52
27	81	78	78	78	76	70	70	75	68	65	64	60	55
28	70	72	66	70	65	67	66	67	69	58	52	51	56
29	42	40	41	44	50	60	66	67	65	65	51	47	51
30	72	73	79	79	74	73	74	75	71	69	62	60	57
31	82	84	85	82	82	81	82	76	72	65	56	49	51
Mean . .	81·8	81·2	81·4	81·3	80·5	80·7	81·6	79·6	75·5	70·5	64·9	62·0	61·5
*Mean Vapour Pressure in inches of mercury.	·822	·811	·802	·793	·775	·775	·789	·811	·818	·802	·780	·777	·793

* Computed from mean temperatures and mean relative humidities.

(Averages for sixty minutes from full hour to full hour of local mean time.)

SEPTEMBER. (IN PERCENTAGES.)

Hours. (B. M. T.).											Mean.	Mean Vapour Pressure in inches of mercury.*	Date.
13—14	14—15	15—16	16—17	17—18	18—19	19—20	20—21	21—22	22—23	23—24			
81	85	89	85	84	84	84	83	83	85	88	84·9	·865	1
77	77	86	81	83	82	85	85	85	83	83	82·7	·865	2
75	75	75	79	81	80	83	82	83	81	82	81·3	·861	3
81	81	81	86	85	85	85	85	86	85	89	83·4	·872	4
81	89	88	85	87	90	87	89	89	88	87	86·4	·877	5
90	87	88	93	94	93	93	93	92	93	93	90·0	·864	6
86	85	88	89	88	91	90	91	93	91	92	91·1	·886	7
94	95	95	94	95	94	91	90	93	92	92	91·7	·880	8
83	83	83	84	83	86	86	86	87	87	87	87·8	·903	9
88	88	86	85	87	86	86	85	86	87	84	86·7	·886	10
89	85	83	87	84	85	85	86	88	88	90	86·0	·879	11
91	87	87	86	87	87	87	88	89	85	88	88·2	·867	12
83	82	81	83	87	91	89	87	89	89	89	87·0	·883	13
81	79	78	78	80	81	81	83	85	86	86	83·8	·888	14
75	73	74	74	74	74	77	80	81	83	84	80·0	·853	15
73	70	70	70	73	77	78	79	79	80	81	79·6	·840	16
74	72	69	69	73	75	78	79	78	78	80	79·8	·848	17
71	71	71	72	75	77	77	78	78	82	84	79·2	·858	18
78	78	79	79	81	85	87	88	89	90	91	83·3	·911	19
76	78	77	78	81	81	82	85	84	77	78	82·1	·940	20
78	80	80	80	79	82	85	87	89	89	89	83·4	·964	21
83	81	78	80	81	81	83	89	89	88	89	34·8	·949	22
79	78	79	78	81	83	84	84	85	86	87	84·4	·929	23
82	79	80	81	83	83	84	83	85	87	87	85·6	·925	24
74	75	76	76	81	79	80	81	84	86	86	82·5	·941	25
76	76	78	83	85	85	85	85	87	88	89	84·6	·917	26
77	76	77	78	79	80	82	83	84	84	86	83·7	·937	27
79	76	74	76	79	83	85	87	89	87	87	83·6	·951	28
79	85	80	81	83	77	82	83	83	86	87	85·0	·921	29
75	75	73	70	79	79	80	81	83	83	85	82·0	·924	30
80·3	80·0	80·1	80·7	82·4	83·2	84·0	84·8	85·8	85·8	86·7	84·5	·896	Mean.
·925	·928	·910	·906	·902	·884	·887	·887	·891	·883	·886	·896		*Mean Vapour Pressure in inches of mercury.

OCTOBER.

81	79	74	76	78	80	82	83	83	85	87	83·1	·942	1
73	73	73	76	77	80	80	81	82	83	83	82·6	·964	2
71	72	76	77	79	81	82	84	85	86	87	79·7	·918	3
70	71	72	76	76	79	81	81	82	83	83	79·5	·887	4
68	69	70	74	76	79	79	80	81	83	83	79·5	·873	5
72	70	70	74	77	80	83	83	85	86	87	80·7	·886	6
74	72	72	76	78	82	84	85	86	85	85	82·0	·906	7
70	70	74	76	76	79	82	82	82	83	84	81·1	·887	8
69	72	72	76	80	80	83	84	84	84	85	80·0	·887	9
71	72	72	72	79	83	84	85	87	88	88	81·6	·905	10
72	72	72	75	78	80	83	86	87	87	87	82·4	·884	11
72	74	75	74	77	81	84	86	86	85	84	82·2	·871	12
73	74	74	73	75	80	83	85	86	85	83	81·3	·858	13
69	68	66	66	72	74	76	77	76	78	79	78·0	·851	14
66	65	67	73	74	83	87	87	86	84	87	74·4	·809	15
55	62	62	61	73	80	80	74	73	80	84	74·5	·810	16
55	54	55	58	66	65	72	77	78	78	77	70·5	·757	17
54	49	62	69	77	84	85	85	87	86	85	72·4	·792	18
31	52	60	67	75	82	85	87	89	89	89	70·6	·788	19
51	61	66	72	77	80	73	68	75	86	83	72·5	·765	20
60	66	69	74	78	81	81	78	78	80	82	71·7	·775	21
50	56	53	66	69	71	77	79	80	82	82	70·9	·771	22
57	62	62	64	64	57	50	57	62	63	67	65·0	·721	23
56	61	61	70	79	83	85	85	85	87	87	69·6	·777	24
59	59	57	53	59	71	74	78	76	77	82	71·2	·762	25
53	59	61	71	76	73	73	76	78	82	82	70·0	·744	26
55	63	61	55	60	66	71	77	76	72	66	68·3	·724	27
56	56	52	60	63	70	73	66	62	54	53	62·3	·658	28
61	62	66	71	76	80	80	82	80	80	80	62·8	·663	29
59	59	61	67	72	74	78	77	76	80	82	71·0	·742	30
54	59	62	64	69	74	76	78	79	72	75	71·2	·740	31
62·5	64·9	66·1	69·5	73·7	77·2	78·9	79·8	80·4	81·1	81·5	74·9	·817	Mean.
·806	·823	·823	·824	·828	·837	·844	·840	·838	·831	·825	·811		*Mean Vapour Pressure in inches of mercury.

*Computed from mean temperatures and mean relative humidities.

RELATIVE HUMIDITY, 1936.

(Averages for sixty minutes from full hour to full hour of local mean time.)

NOVEMBER.

Date.	Hours. (B. M. T.)-												
	9—1	1—2	2—3	3—4	4—5	5—6	6—7	7—8	8—9	9—10	10—11	11—12	12—13
1	79	80	79	80	78	81	74	69	63	63	59	53	46
2	84	82	78	76	75	74	70	67	70	62	50	43	55
3	82	78	79	77	74	73	72	68	65	57	50	40	37
4	77	78	75	74	71	67	65	61	63	63	56	51	48
5	76	76	76	76	74	74	74	73	73	66	61	59	55
6	79	79	80	81	82	80	79	73	63	52	46	40	47
7	61	63	65	56	51	53	59	58	58	55	53	47	44
8	81	78	76	78	78	78	77	74	68	64	62	63	58
9	88	90	89	88	87	88	87	86	87	86	81	77	70
10	91	91	93	92	92	92	91	90	91	91	91	89	87
11	93	93	93	92	92	92	92	93	91	90	88	88	85
12	79	80	79	80	80	82	85	86	86	88	86	86	90
13	86	86	86	87	87	87	87	86	84	85	83	82	83
14	92	92	93	92	91	91	92	91	90	86	81	80	81
15	91	91	91	91	91	91	91	90	90	90	86	81	78
16	85	86	86	86	86	86	86	82	76	74	73	72	75
17	87	82	82	81	82	84	85	87	86	84	83	81	81
18	92	93	91	90	91	89	89	87	85	80	79	76	75
19	90	91	91	88	85	84	84	78	75	73	68	64	65
20	87	81	84	89	87	87	85	81	78	76	70	67	61
21	82	81	80	78	80	79	74	73	67	64	63	59	64
22	77	76	76	77	78	80	82	83	79	72	70	66	58
23	81	77	79	71	70	69	64	59	58	52	45	46	46
24	71	74	77	80	75	75	73	72	71	66	60	49	43
25	67	69	74	73	71	74	76	72	69	65	61	54	51
26	68	71	73	70	75	71	75	73	77	67	61	54	53
27	72	73	76	75	77	76	75	74	70	66	61	56	50
28	82	81	77	81	84	84	84	80	75	69	65	65	62
29	77	77	74	78	79	81	82	79	77	72	68	63	58
30	83	83	81	83	87	85	85	83	77	73	67	63	59
Mean .	81·3	81·1	81·1	80·7	80·3	80·2	79·7	77·6	75·4	71·7	67·6	63·8	62·2
*Mean Vapour Pressure in inches of mercury.	·781	·774	·763	·755	·746	·743	·738	·743	·763	·760	·759	·750	·755

DECEMBER.

1	79	77	71	72	76	81	83	80	75	71	64	60	53
2	81	78	79	77	80	82	81	79	77	68	61	53	44
3	80	84	82	82	81	79	79	75	69	60	57	55	52
4	73	75	76	77	79	78	76	77	74	71	67	54	50
5	81	79	81	84	81	76	83	83	81	74	68	66	66
6	85	85	86	86	86	86	86	83	81	78	73	65	59
7	84	84	84	85	83	84	84	84	80	76	65	55	47
8	84	78	79	78	80	80	75	75	71	70	67	57	48
9	73	77	78	80	81	79	77	71	69	72	65	62	59
10	82	80	77	77	79	77	80	78	73	70	63	61	52
11	68	69	73	72	72	73	77	73	69	60	56	53	45
12	69	69	67	61	60	62	64	59	53	50	48	45	42
13	62	63	63	64	65	66	59	57	53	50	45	43	44
14	71	66	59	64	64	67	63	55	53	51	47	47	48
15	73	68	67	66	70	71	66	61	56	54	47	45	46
16	79	79	78	79	81	76	78	76	68	62	52	52	46
17	69	72	73	69	69	76	76	74	70	68	63	57	50
18	70	80	82	78	80	82	82	82	77	74	67	61	59
19	67	67	6	65	69	65	63	63	62	60	57	54	54
20	63	62	59	57	54	52	49	45	36	30	33	35	34
21	46	48	45	49	53	50	49	50	40	38	37	36	36
22	55	61	60	58	55	55	59	68	70	48	43	46	48
23	68	67	73	76	77	69	67	67	65	64	59	55	48
24	75	80	83	86	80	80	81	80	76	73	67	63	59
25	84	71	68	76	83	82	71	71	65	71	59	54	54
26	68	71	68	63	61	65	68	64	56	59	62	59	59
27	57	62	56	57	59	49	50	49	42	36	37	39	36
28	50	49	50	51	52	61	65	67	61	53	48	49	48
29	64	61	56	61	63	62	65	67	63	62	60	55	51
30	67	55	59	52	54	55	59	54	54	51	43	35	29
31	50	48	41	39	49	46	47	47	48	44	40	34	35
Mean .	70·2	69·8	69·0	69·1	70·2	69·9	69·7	68·2	64·1	60·3	55·5	51·8	48·4
*Mean Vapour Pressure in inches of mercury.	·578	·564	·548	·541	·544	·535	·528	·534	·543	·546	·542	·536	·526

RELATIVE HUMIDITY, 1936.

(Average for sixty minutes from full hour to full hour of local mean time.)

NOVEMBER.

(Hours B. M. T.).											Mean.	Mean Vapour Pressure in inches of mercury.*	Date.
13—14	14—15	15—16	16—17	17—18	18—19	19—20	20—21	21—22	22—23	23—24			
51	55	57	62	67	74	76	81	81	82	82	69·7	·731	1
56	51	62	65	72	70	72	80	84	85	84	69·5	·701	2
52	58	58	63	68	69	74	74	67	67	68	65·4	·664	3
51	62	64	65	72	72	73	73	76	82	80	67·5	·720	4
56	58	55	68	75	72	73	70	69	67	73	68·7	·784	5
55	57	58	64	72	73	78	77	61	52	52	65·8	·706	6
55	57	67	67	70	73	75	80	80	81	81	**62·9**	**·631**	7
57	60	66	72	78	75	73	75	78	81	84	72·3	·825	8
65	69	75	80	84	83	86	88	89	87	**93**	83·5	·873	9
88	88	88	91	92	91	90	92	92	93	92	**90·7**	·868	10
87	89	89	89	89	86	87	83	82	81	80	88·5	·867	11
91	91	89	91	91	89	89	89	88	88	88	86·3	·834	12
82	83	85	86	88	89	90	91	91	91	90	86·5	·873	13
79	77	78	80	83	85	87	87	87	89	89	86·4	·886	14
75	74	75	77	79	81	83	85	86	85	83	84·8	·853	15
76	76	79	82	85	85	85	86	89	89	88	82·2	·826	16
81	80	82	85	87	89	89	90	90	90	91	85·0	·857	17
75	75	77	81	84	85	88	88	89	91	90	85·0	**·889**	18
65	66	72	76	79	83	85	87	88	90	90	79·9	·857	19
63	63	64	68	71	75	78	80	81	83	83	76·7	·850	20
66	66	66	70	73	76	79	82	82	80	77	73·4	·808	21
58	64	68	72	77	80	80	78	76	76	78	74·2	·812	22
42	54	59	61	67	72	74	70	67	70	69	63·3	·699	23
42	51	58	65	69	66	67	63	66	73	69	65 6	·702	24
51	53	54	59	65	69	68	73	72	71	68	65·8	·681	25
54	54	54	59	63	61	61	63	66	66	70	65·0	·660	26
53	52	55	58	59	64	66	72	75	77	77	67·0	·671	27
54	53	57	64	68	71	72	74	79	77	74	72·2	·707	28
6	59	61	65	68	68	71	78	81	80	80	72·2	·698	29
57	57	60	63	68	73	72	74	73	74	77	73·2	·710	30
63·1	65·1	67·7	71·6	75·4	76·6	78·0	79·4	79·5	79·9	80·0	75·0	·775	Mean.
·758	·780	·790	·799	·807	·801	·808	**·814**	·799	·785	·773	·773		* Mean Vapour Pressure in inches of mercury.

DECEMBER.

54	50	50	58	65	69	71	77	77	72	72	69·0	·680	1
48	56	55	61	68	70	72	76	78	79	78	70·0	·711	2
51	54	55	58	62	67	70	72	76	74	73	68·6	·678	3
53	53	54	60	69	74	77	78	81	82	84	70·5	·695	4
66	66	68	72	76	76	78	78	78	81	82	**76·0**	·739	5
54	59	63	68	72	74	76	77	77	69	76	75·2	**·757**	6
51	59	63	67	72	74	76	79	78	78	81	73·9	·726	7
40	50	57	55	61	71	72	72	75	75	72	68·4	·704	8
54	56	57	58	61	74	78	81	78	76	77	70·5	·702	9
59	57	57	62	68	72	74	72	69	72	69	70·0	·690	10
40	53	56	61	68	73	70	66	68	71	73	65·0	·660	11
44	39	38	38	52	65	63	64	61	58	68	55·8	·595	12
44	38	43	53	56	58	63	65	63	65	66	56·2	·576	13
39	36	39	54	59	64	67	67	73	75	74	58·4	·587	14
45	35	34	53	63	70	68	72	74	77	78	60·8	·595	15
42	44	49	58	65	72	76	77	78	77	70	67·3	·631	16
43	44	50	55	60	67	69	76	77	73	71	65·5	·591	17
57	53	52	63	66	67	67	66	69	72	72	69·9	·628	18
49	56	51	55	58	64	67	69	70	67	65	61·6	·518	19
35	36	40	45	49	54	54	54	57	55	50	47·4	·368	20
36	41	43	47	52	54	53	57	61	61	59	47·5	**·358**	21
46	46	49	53	60	63	63	63	64	62	67	56·7	·432	22
54	57	62	64	71	75	73	71	74	76	77	67 0	·581	23
57	65	65	70	77	77	77	79	79	78	82	74·5	·618	24
56	58	58	59	60	58	52	56	57	55	66	64·3	·537	25
58	60	61	63	66	67	66	64	59	56	53	62 3	·506	26
37	41	46	54	57	59	54	50	45	47	53	48 8	·367	27
49	49	49	54	60	65	69	71	68	67	68	57 2	·429	28
51	56	57	62	70	70	68	67	68	77	79	63·1	·470	29
25	23	44	58	63	67	65	65	55	59	51	51·7	·440	30
31	29	33	63	60	63	59	48	55	60	64	47·2	·385	31
47·4	48·8	51·5	58·1	63·4	67·5	68·0	68·7	69·1	69·2	70·0	63·2	·579	Mean.
·529	·546	·569	·606	·623	**·640**	·632	·622	·607	·588	·585	·567		*Mean Vapour Pressure in inches of mercury.

JANUARY.

Day.	Cloud Forms, amounts and directions.			Cloud Amount (All Forms).						Visibility.			Remarks on the weather of the day.
	8½ h.	12½ h.	16½ h.	6 h.	8½h.	10 h.	12½h.	16½h.	22h.	8½h.	12½h.	16½h.	
1	Ci 1 ; SW Acu 5	Ci 1	Acu<1	3	6	4	1	<1	0	8	8	8	
2	Ci 1 ; Acu 1	Ci 1	Ci 1 ; W Acu 3	2	2	0	1	4	1	8	8	8	
3				<1	0	0	0	0	<1	8	8	8	
4		Ci 1	Ci 1	0	0	2	1	1	1	8	8	8	
5	Ci 3	Ci 1 ; Stcu 2	Ci 3	<1	3	1	3	3	0	8	8	8	
6				<1	0	1	0	0	0	8	8	8	
7		Ci 3	Ci 2	<1	0	0	3	2	<1	8	8	8	
8	Ci 1			5	1	0	0	0	0	8	8	8	
9				<1	0	0	0	0	0	8	8	8	
10				0	0	0	0	0	0	8	8	8	
11				<1	0	0	0	0	0	8	8	8	
12				1	0	0	0	0	0	8	8	8	
13				<1	0	0	0	0	0	8	8	8	
14		Ci 2	S Ci 6	1	0	0	2	6	0	7	8	8	
15				0	0	0	0	0	0	7	8	8	
16				0	0	0	0	0	0	8	8	8	
17				<1	0	0	0	0	0	7	8	8	
18				0	0	0	0	0	0	7	8	8	
19		Cu <1	Cu <1	0	0	0	<1	<1	2	7	8	8	
20	SW Acu 3	Acu 1	Cu <1	3	3	4	1	<1	0	8	8	8	
21	N Cu 3	Cu 1		3	3	<1	1	0	0	6	8	8	
22	Ci 3 ; Cu <1	W Ci 7	W Ci 8	1	3	2	7	8	1	7	8	8	
23	Ci <1 ; W Cu 8	W Ci 6	W Ci 5	3	8	5	6	5	2	8	8	8	
24			Ci 6	2	0	0	0	6	0	7	8	8	
25	Ci 4			2	4	2	0	0	0	7	8	8	
26				0	0	0	0	0	0	8	8	8	
27				0	0	0	0	0	0	8	8	8	
28				0	0	0	0	0	0	8	8	8	
29	W Stcu 2	Cu 1		3	2	1	1	0	0	8	8	8	
30				0	0	0	0	0	4	8	8	8	
31	SW Ci 3 ; Cist 3	W Ci 7	W Ci 4	6	6	5	7	4	5	8	8	8	
Mean cloud amount.				1·1	1·3	0·9	1·1	1·3	0·5				

MARCH.

1	W Cu 2	Cu 2	Cu 1	5	2	3	2	1	0	8	8	8	
2	Stcu <1			1	<1	0	0	0	0	7	8	8	
3				1	0	0	0	0	0	6	7	7	
4				2	0	0	0	0	0	6	7	7	
5			Cu <1	0	0	0	0	<1	0	6	7	8	
6				0	0	0	0	0	2	7	7	7	
7	SW Acu 9	Acu 1	Acu <1	9	9	1	1	<1	3	7	7	7	
8	Acu 1		Ci 1	2	1	0	0	1	0	7	7	7	
9	Cu 1			4	1	0	0	0	0	7	8	8	
10			Ci <1	1	0	0	0	<1	0	7	7	7	
11				<1	0	0	0	0	0	7	7	7	
12				0	0	0	0	0	0	7	7	7	
13	Ci <1	Ci 1	W Ci 7	<1	<1	0	1	7	0	7	7	7	
14	SW Ci 7	Ci 3		2	7	5	3	0	0	7	7	7	
15				0	0	0	0	0	0	7	7	7	
16				1	0	0	0	0	0	6	7	7	
17				0	0	0	0	0	0	7	7	7	
18		Ci 3	Ci 2	1	0	0	3	2	0	7	7	6	
19	SE Cu 4		Cu <1	5	4	0	0	<1	0	7	7	7	
20	Stcu <1			3	<1	0	0	0	0	7	7	7	
21	Stcu <1			1	<1	0	0	0	0	7	7	8	
22				<1	0	0	0	0	0	7	8	7	
23				0	0	0	0	0	0	6	7	8	
24				0	0	0	0	0	0	7	7	7	
25	Cu <1			2	<1	2	0	0	2	7	7	8	L, *n.*
26	Ci 1 ; S Acu 3	W Ci 3 ; SE Acu 3 ; Cu 1.	Cu 1	4	4	4	7	1	3	7	7	7	
27	SE Acu 3	Cu <1	Cu 1	3	3	0	<1	1	0	8	7	7	
28		Cu 1	Ci <1 ; Cu <1	<1	0	0	1	<1	0	7	7	7	
29		W Cicu 9 ; Cu <1	Cist 2 ; W Acu 7	1	0	0	9	9	2	7	7	7	b, *a* ; c, *p* : b, L, *n.*
30	S Stcu 7	Cu 2	Cu 3	4	7	3	2	3	6	7	7	7	bc, d°, L, *a* ; b, bc, *p* : bc, *n.*
31	Ci <1	Cu 1	Cu <1	1	<1	0	1	<1	0	7	7	7	
Mean cloud Amount.				1·7	1·2	0·6	1·0	0·8	0·6				

FEBRUARY.

Day.	Cloud Forms, amounts and directions.			Cloud Amount (All Forms).						Visibility.			Remarks on the weather of the day.
	8½ h.	12½ h.	16½ h.	6 h.	8½h.	10h.	12½h.	16½h	22h.	8½h.	12½h.	16½h.	
1	Ci <1	Cu <1	Cu <1	4	<1	<1	<1	<1	0	8	8	8	
2	Stcu 2	Cu <1	Cu <1	2	2	<1	<1	<1	0	7	8	8	
3	W Ci 5	W Ci 6	W Ci 6	<1	5	2	6	6	6	7	7	7	
4	NW Ci 8	NW Ci 7 ; Cu 1	W Cist 10	3	8	6	8	10	6	8	8	8	
5	W Ci 2 ; SW Stcu 4	W Ci 8	W Ci 7	6	6	3	8	7	6	8	7	8	
6	Ci 2 ; Stcu <1	Ci 1 ; Cu 1	W Ci 4 ; Cu 1	2	2	4	2	5	6	8	8	8	bc, *a* : bc, *p* : r°, *n*.
7	Ast 3 ; SW Stcu 6	Ci 1 ; Cu 1	Ci <1 ; Cu 1	6	9	8	2	1	0	8	8	8	bc, c, *a* : b, *p* : b, *n*.
8	W Ci 5		Ci 1	0	5	2	0	1	0	8	8	8	
9				0	0	0	0	0	0	8	8	8	
10	W Ci 5	W Ci 3	Cu <1	0	5	3	3	<1	5	8	8	8	
11		Cu 1	Cu 1	3	0	0	1	1	5	8	8	8	
12	NE St 7	Ci <1 ; Cu <1	Cu <1	8	7	2	<1	<1	<1	6	8	8	
13	E Stcu 4	W Ci 6 ; Cu 1	Ci 2 ; Cu 1	9	4	3	7	3	0	7	8	8	
14	W Ci 6 ; Stcu 1	Ci 4 ; Cu 1	W Ci 4 ; Cu <1	3	7	1	5	4	0	7	8	8	
15	Cu <1	Stcu 3	W Acu 5 ; Cu <1	<1	<1	2	3	5	0	8	8	8	
16		Cu 1	Cu <1	1	0	1	1	<1	0	8	8	8	
17	NW Stcu 2	Cu 2		3	2	4	2	0	0	8	8	8	
18	Stcu <1	Cu 1		2	<1	4	1	0	0	8	8	8	
19	NW Stcu 2	Cu <1		3	2	3	<1	0	0	7	8	8	
20				3	0	3	0	0	0	8	8	8	
21			W Ci 2	8	0	0	0	2	2	7	8	8	
22	W Cist 6 ; N Stcu <1	Ci 6	Ci 1	4	6	3	6	1	0	8	8	8	
23	W Ci 7	Ci 3	Ci 1	5	7	5	3	1	0	7	8	8	
24			SW Ci 3	1	0	1	0	3	0	8	8	8	
25	SW Ci 3		SW Ci 1	3	3	1	0	1	0	7	8	7	
26	Ci 1	SW Ci 2	SW Ci 6 ; W Cu 2	2	1	0	2	8	0	8	8	8	
27	Acu 1 ; Stcu 3 ; NW Nbst 5.	Cu 1	Cu <1	9	9	3	1	<1	1	8	8	8	
28		Cu <1		1	0	0	<1	0	0	8	8	8	
29				<1	0	0	0	0	0	8	8	8	
Mean cloud Amount.				3·1	3·1	2·2	2·1	2·0	1·3				

APRIL.

1		Cu 1	Cu <1	0	0	1	1	<1	0	8	8	8	
2	W Stcu 2			<1	2	<1	0	0	0	8	8	8	
3	Stcu 2	Cu <1		1	2	0	<1	0	0	8	8	8	
4				1	0	0	0	0	5	8	8	8	
5	SW Stcu 4	SW Cu 5	SW Cu 5	2	4	2	5	5	2	8	8	8	
6	W Stcu 2	Cu 3	W Cu 3	1	2	3	3	3	4	8	8	8	
7	Stcu 1 ; Cu 1			4	2	>1	0	0	6	8	8	8	
8				<1	0	0	0	0	0	7	8	6	
9				0	0	0	0	0	0	7	6	7	
10	Ci 3	Ci 6	Ci 2	0	3	2	6	2	3	7	7	8	
11	NW Stcu 3	W Ci 6	Ci 2	<1	3	1	6	2	0	7	7	7	
12	Ci <1	Ci 1	Ci 1	2	<1	0	1	1	0	7	7	7	
13	Ci 1			1	1	0	0	0	0	8	8	7	
14	Stcu <1		Ci <1 ; Stcu <1	<1	<1	0	0	<1	1	8	8	7	
15				<1	0	0	0	0	0	7	7	7	
16				0	0	0	0	0	0	7	7	8	
17	Stcu <1			<1	<1	0	0	0	0	7	7	7	
18				0	0	0	0	0	0	7	7	7	
19			NW Stcu 2	0	0	2	0	2	0	7	7	7	
20	Stcu 6			1	6	0	0	0	0	7	8	8	
21				<1	0	0	0	0	0	8	8	8	
22				<1	0	0	0	0	0	7	7	7	
23			W Stcu 4	<1	0	0	0	4	0	7	7	7	
24	Stcu 2			1	2	0	0	0	0	8	8	8	
25	NE Stcu 4			3	4	2	0	0	3	8	8	8	
26	SE Stcu 8		Stcu <1	2	8	<1	0	<1	0	7	7	7	
27	Cu 1 ; N Stcu 5			5	6	3	0	0	0	7	8	8	
28	N Stcu 8		Ci <1	2	8	2	0	<1	0	7	8	8	
29	N Stcu 3			8	3	0	0	0	1	7	7	7	
30	S Acu 4 ; NE Stcu 1.	Acu 1 ; NW Stcu 2		3	5	4	3	0	0	7	7	7	
Mean cloud Amount.				1·2	2·0	0·8	0·8	0·6	0·8				

MAY.

Day.	Cloud Forms, amounts and directions.			Cloud Amount (All Forms).						Visibility.			Remarks on the weather of the day.
	8½ h.	12½ h.	16½ h.	6 h.	8½h.	10h.	12½h.	16½h.	22h.	8½h.	12½h.	16½h.	
1	Stcu 2			2	2	<1	0	0	0	7	8	8	
2	Stcu 4		NW Stcu 4	1	4	0	0	4	4	7	7	8	
3	Stcu 1			1	1	1	0	0	4	8	8	8	
4	NW Cu 3			1	3	2	0	0	0	7	8	8	
5	Stcu 3			2	3	1	0	0	0	7	8	8	
6	Acu 1	S Acu 3	S Acu <1	<1	1	<1	3	<1	5	7	8	8	
7	S Acu <1 ; SW Stcu 3.	Ci 1	SW Stcu 5	8	3	<1	1	5	4	8	7	8	
8	Acu 1 ; Cu 1		W Cu 2	5	2	1	0	2	3	7	8	8	
9	Acu <1 ; N Stcu 2			3	2	2	0	0	4	7	8	8	bc, b, *a*: b, *p*: bc, L, *n*.
10	Ci 4 ; N Stcu 3		Ci 3	2	7	2	0	3	4	7	8	8	b, bc, b, *a* : b, *p* : bc, *n*.
11	Cu 2 ; S Stcu 1		Ci 3 ; Cu <1	4	3	2	0	3	0	8	8	8	
12	Cu 2 ; S Stcu 3		W Stcu 3	2	5	1	0	3	5	7	8	8	
13	S Stcu 4		Cu <1	2	4	0	0	<1	4	7	8	8	
14	W Cu 6	Acu 2	Acu 1 ; Cu <1	3	6	2	2	1	5	8	8	8	
15	S Acu 4 ; S Stcu 4	Cu <1	W Cu 6	6	8	4	<1	6	0	7	8	8	
16	S Stcu 5	S Acu 3		3	5	1	3	0	0	8	8	8	L, *n*.
17	SE Acu 9 ; Stcu 1	SE Acu 9 ; Cu 1	SE Acu 8 ; Stcu 2	6	10	8	10	10	8	7	8	8	
18	Acu 2 ; N Cu 2	S Acu 6 ; Ast 3	SE Acu 4 ; Ast 3; W Stcu 1.	2	4	7	9	8	6	8	8	8	
19	SE Acu 7 ; NW Stcu 1.	SE Acu 6 ; Cu 2	Acu 2	3	8	6	8	2	2	8	8	8	
20	SE Acu 6 ; Stcu 1	Ci 1	NW Stcu 5	6	7	4	1	5	1	7	8	8	
21	Ast 10	Cicu 1 ; Cu <1	Ci 2 ; NW Cu 5	8	10	2	1	7	1	7	7	7	c, b, *a*: b, bc, *p* : b, L, *n*.
22	NE Acu 4 ; Cu 2	Ci 1 ; W Cu 3	N Ci 1 ; W Cu 3	7	6	2	4	4	2	7	8	7	bc, b, *a* : bc, *p* : b, *n*.
23	Cist 4 ; W Stcu 4	N Ci 4 ; SW Cu 2	Ci 1 ; SW Cu 4	7	8	4	6	5	5	8	8	8	
24	Ci 1 ; Cu 1	Ci <1 ; W Cu 6	W Cu 5	2	2	2	6	5	1	8	8	8	b, *a* : bc, d°, bc, *p* : b, *n*.
25	Ci 3 ; Cu 1	Ci 3 ; W Cu 4	Ci 2 ; W Cu 2	7	4	4	7	4	8	7	7	7	
26	Cist 2 ; SE Acu 5 ; Cu 1 ; W Stcu 2.	NE Cist 6 ; Cu 1	Ast 7 ; SE Acu 2	8	10	8	7	9	8	7	7	7	c, o, c, *a* : r°, bc, o, *p* : bc, *n*.
27	Ast 6 ; SE Acu 3; Stcu <1.	Ci 3 ; W Cu 6	SE Ci 4 ; Cu 1 ; W Stcu 1.	10	9	10	9	6	5	7	7	7	
28	Ci 3 ; W Cu 3	Cist 2 ; W Cu 3	E Ci 3 ; W Cu 1	7	6	5	5	4	2	7	7	7	
29	SW Cu 4	Ci 2 ; SW Cu 4	Ci 2 ; SW Cu 5	4	4	6	6	7	4	7	7	7	bc, r°, bc, *a* : bc, *p* : bc, *n*.
30	SE Acu 2 ; Cu 1; Nbst 4.	Cist 2; S Acu 2; SW Stcu 1 ; Cu 1.	Cist 3 ; Cunb 1 ; SW Stcu 1	4	7	7	6	5	5	7	7	7	bc, r, *a* : bc, *p* :bc, *n*.
31	Cist 2 ; Cunb 2 ; SW Nbst 3.	Ci 3 ; Cu 1	Ci 1 ; E Cunb 5 ; Cu 1.	8	7	4	4	7	2	7	7	7	c, r°, *a* : bc, *p* : r°; *n*
Mean cloud Amount.				4·3	5·2	3·2	3·2	3·7	3·3				

JUNE.

Day.	Cloud Forms, amounts and directions.			Cloud Amount (All Forms).						Visibility.			Remarks on the weather of the day.
	8½h.	12½ h.	16½ h.	6 h.	8½h.	10h.	12½h.	16½h.	22h.	8½h.	12½h	16½h	
1	Ci 1; SW Acu 5; Cu 2.	Cu 3	Ci 1; W Stcu 1; Cu 1.	4	8	6	3	3	10	7	7	7	bc, *a* : bc, *p* : o, r°, *n*.
2	Cu 2; SW Nbst 6	SW Cu 6	E Ci 3; W Cu 4	4	8	7	6	7	6	7	7	7	r, bc, r°, *a* : bc, *p* : bc, *n*.
3	W Cu 2; SW Stcu 3	Cist 1; SW Cu 4; SW Nbst 3.	SW Cu 5	5	5	4	8	5	6	7	7	7	r, bc, *a* : bc, *p* and *n*.
4	SW Nbst 10	Ast 6; SW Nbst 4	Ast 4; SW Nbst 6	7	10	8	10	10	10	4	7	7	r, *a* : o, r, *p* : o, r, TL, *n*.
5	Ast 3; SW Nbst 7	Cist 5; Cicu 1; Cu 2; SW Nbst 2.	Cist 4; Acu 2; SW Cu 2.	10	10	10	10	8	8	6	6	6	r, *a* : o, bc, *p* : bc, d°, *n*.
6	SW Cu 3; W Nbst 3	W Cu 5	W Cu 5	8	6	5	5	5	4	6	7	7	c, bc, *a* : bc, *p* and *n*.
7	Acu 2; Cu 1	Cist 2; Acu 2	Cist 2; W Acu 3; W Cu 3.	8	3	4	4	8	7	7	7	7	r° early *a* : bc, *p* and *n*.
8	W Acu 6; Cu 2	Ci 2; W Cu 5	Ci 1; W Cu 3; W Stcu 3.	3	8	2	7	7	8	8	7	7	bc, c, b, *a* : c, r°, *p* : c, *n*.
9	E Cicu 1; Cu 2; W Stcu 1.	E Cist 2; W Cu 3; Cunb 1.	E Ci 1; Cu 2; W Stcu 2.	9	4	4	6	5	2	7	7	7	c, bc, r°, *a* : r°, bc, *p* : b, *n*.
10	W Cu 3	W Cu 4	Cu 2; W Stcu 2	6	3	2	4	4	3	8	7	7	bc, r, b, *a* : bc, *p* and *n*.
11	W Cu 4	Cu 3	W Cu 4; W Cunb 4	4	4	8	3	8	3	8	8	8	bc, q, r, c, *a* : bc, c, *p* : bc, r, *n*.
12	Nbst 10	Ast 3; Nbst 7	Ast 7; W Nbst 3	10	10	10	10	10	4	4	5	8	o, r, *a* and *p* : bc, *n*.
13	SW Acu 7; Cu 1	E Ci 1; SW Cu 3	Acu 1; Cu 1; W Nbst 5.	10	8	4	4	7	4	8	8	7	o, c, bc, *a* : bc, r°, *p* : bc, *n*.
14	W Acu 6; Cu 2	Ci 2; W Cu 3	Ci 1; Cu 2; W Cunb 3.	9	8	8	5	6	3	7	8	7	c, r, *a* : bc, r°, *p* : r early *n*.
15	Ci 1; Cu 1; W Stcu 2.	Ast 5; Acu 3	Cist 3; W Nbst 7	5	4	3	8	10	4	7	7	7	bc, *a* : bc, o, *p* : bc, *n*.
16	Ast 6; W Nbst 4	Ci 2; Ast 4; W Nbst 4.	Ast 5; W Nbst 5	10	10	10	10	10	10	7	7	7	o, *a* and *p* : q, r, o, *n*
17	Ci 1 Ast 5; W Nbst. 4.	Ast 8; Cunb 2	Ast 7; SW Nbst 3	10	10	10	10	10	10	7	7	7	L, r, *a* : o, *p* : r° *n*.
18	Ast 3; SW Nbst 7	Ast 4; Cu 1; SW Nbst 5.	Ci1; S Acu 4; Cu Stcu 4.	10	10	10	10	10	4	7	8	8	r, *a* : r, *p* : r°, *n*.
19	Ci 1; Cu 1; SW Stcu 3.	E Ci 6; SW Cu 3	E Ci 4; SW Cu 3	8	5	4	9	7	1	7	7	8	r early *a* : bc, *p* : b, *n*.
20	E Cist 6; Cu 2; SW Nbst 2.	E Ci 6; Cu 2; SW Stcu 2.	Cist 3; E Acu 5; Cu 2.	10	10	8	10	10	3	7	7	7	o, c, *a* : c, o, *p* : bc, r°, *n*.
21	Ast 2; Nbst 8	Cist 2; SE Acu 6; Cu 2.	Cist 2; SE Acu 3, Ast 3; Cu 1; SW Nbst 1.	10	10	10	10	10	4	6	7	8	r, *a* : o, *p* : r, bc, *r*, *n*.
22	Nbst 10	Nbst 10	Ast 5; W. Nbst 5	10	10	10	10	10	10	4	6	6	r, *a*, *p* and *n*.
23	Nbst 10	Ast 2; SW Nbst 8	Ci 1; S Acu 4; SW Stcu 3; Cu 2.	10	10	10	10	10	10	6	6	7	r, *a*, *p* and *n*.
24	Ast 2; Nbst 8	Ast 4; Nbst 6	Ci 4; SE Acu 2; W Nbst 4.	10	10	10	10	10	0	4	6	6	r, *a* : r early *p* : o, *n*.
25	Cist 3; SE Acu 3; W Stcu 3; Cu 1.	Cist 2; Acu 2; Cunb 2; W Nbst 4.	Ast 4; W Nbst 6	10	10	10	10	10	10	6	6	6	r, r°, *a* : r, *p* : r°, r, *n*.
26	Nbst 10	Nbst 10	Nbst 10	10	10	10	10	10	10	4	4	4	r, rq, *a* : r, *p* and *n*.
27	Nbst 10	Ast 3; Nbst 7	Nbst 10	10	10	10	10	10	10	3	6	4	r, *a* : r, *p* : r late *n*.
28	Ast 3; W Nbst 7	Nbst 10	Nbst 10	10	10	10	10	10	10	8	4	4	r° late *a* : r, *p* : r°, *n*.
29	Ast 3; W Nbst 7	Cist 4; Acu 2; W Stcu 2; Cu 1.	Cist 5; W Cu 3	10	10	10	9	8	6	6	6	6	r late *a*.
30	Cist 2; W Stcu 4; Cu 2.	Ast 7; Nbst 3	Ast 6; W Nbst 4	10	8	8	10	10	8	6	7	7	r° early *a*.
Mean cloud Amount.				8·3	8·1	7·5	8·0	8·3	6·3				

JULY.

Day.	Cloud Forms, amounts and directions.			Cloud Amount (All Forms.)						Visibility.			Remarks on the weather of the day.
	8½ h.	12½ h.	16½ h.	6 h.	8½h.	10h.	12½h.	16½h.	22h.	8½h.	12½h.	16½h.	
1	Ast 6 ; W Nbst 4	Ast 2 ; NW Acu 2 ; W Cu 3.	Cist 2 ; SW Stcu 3 ; Cu 1.	10	10	10	7	6	10	6	7	7	r° late *a* : bc, *p* : r, *n*.
2	Cist 2 ; W Stcu 6	Ast 3 ; NE Acu 4 ; W Stcu 1.	Ast 6; NE Acu 4	10	8	9	8	10	9	6	6	6	r°, *a* : o, *p* : r, *n*.
3	Ast 5 ; W Nbst 5	Ast 4 ; W Nbst 6	E Ast 6 ; Cu 2 ; W Nbst 2.	10	10	10	10	10	6	6	7	7	r, *a* : r, q, *p* : r, *n*.
4	E Cist 3 ; Acu 1 ; W Stcu 3.	NW Stcu 2 ; W Cu 3 ; W Nbst 2.	W Stcu 5 ; Cu 1	10	7	8	7	6	4	7	7	7	r° early *a*: r late *p*: bc, *n*.
5	Ast 4 ; W Stcu 6	Cist 4 ; W Acu 1 ; W Cu 3.	W Acu 4; W Stcu 3 ; W Cu 3.	10	10	7	8	10	9	7	7	7	r° early *a*.
6	E Cist 3 ; NW Acu 4 ; SW Stcu 2.	Cist 3 ; E Acu 1 ; SW Cu 4.	W Cu 5 ; SW Nbst 3.	10	9	8	8	8	10	7	7	7	r early *a* and *n*.
7	W Cu 5 ; W Nbst 2	Ci 1 ; W Cu 5	W Acu 2 ; Cu 2 ; W Stcu 2.	3	7	5	6	6	10	7	7	7	r early *a* : r° late *p* : r, *n*.
8	Cist 1 ; Acu 2 ; W Stcu 4 ; Cu 2.	E Acu 3 ; W Stcu 5	Ast 3 ; E Acu 2 ; W Stcu 4.	10	9	10	8	9	10	7	7	7	r, o, *a* : o, r, *p*: r, *n*.
9	Ast 7 ; W Nbst 3	Acu 1 ; W Stcu 5 ; W Cu 3.	Acu 3 ; W Stcu 5 ; Cu 2.	10	10	10	9	10	8	7	7	7	r, o, r°, *a* : c, o, *p* : r° early *n*.
10	Acu 2 ; SW Stcu 3	Acu 2 ; Cu 1 ; W Nbst 6.	Acu 2 ; Cu 2 ; W Nbst 4.	10	5	9	9	8	10	7	7	7	r, *a* : bc, *p* : bc, o, *n*.
11	Ast 2 ; Cu 1 ; W Nbst 7.	Ast 3 ; Acu 3 ; W Stcu 4.	E Cist 3 ; W Stcu 5 ; Cu 1.	10	10	9	10	9	8	7	7	8	r, *a* : o, c, *p* : r°, *n*.
12	W Stcu 5 ; W Nbst 5.	W Stcu 4 ; W Cu 3	Ast 4 ; W Stcu 4 ; W Nbst 2.	9	10	8	7	10	10	7	7	7	r, *a* : bc, o, *p* : r°,*n*.
13	W Acu 6 ; W Stcu 3	E Acu 2 ; W Cu 6	E Ci 1 ; W Stcu 3; W Nbst 4.	10	9	10	8	8	5	7	7	7	r, *a* : r, *p* : r early *n*.
14	E Acu 3 ; W Stcu 5	E Acu 4 ; W Stcu 2; Cu 2.	E Acu 4; W Stcu 3; Cu 2.	7	8	9	8	9	4	7	7	7	
15	Acu 2 ; W Stcu 6	Ast 5 ; Stcu 3 ; Nbst 2.	E Ci 1 ; W Stcu 3 ; Cu 1.	9	8	10	10	5	10	7	7	7	r late *a* : o, bc, *p* : r° early *n*.
16	W Stcu 6 ; Cu 2 ; Nbst 1.	Cist 4 ; Acu 1 ; W Stcu 2 ; Cu 2.	Ci 1 ; Acu 2; W Stcu 2 ; Cu 2.	8	9	10	9	7	9	7	7	7	c, rq, o, *a*: c, bc, *p* : r, *n*.
17	Ci 2 ; Acu 1 ; Cu 2 ; W Stcu 3.	E Acu 6 ; Ast 2; Cu 2.	E Acu 4 ; Cu 2 ; W Nbst 4.	10	8	8	10	10	10	7	7	7	r, *a*, *p* and *n*.
18	Ast 6 ; W Nbst 4	Ci 1 ; E Acu 4 ; Cu 1 ; W Stcu 3.	Ast 2 ; E Acu 4 ; W Stcu 4.	10	10	10	9	10	8	7	7	7	r late *a*: c, o, *p* : r° , *n*.
19	Ast 4 ; W Nbst 6	Ast 7 ; Nbst 3	Ast 10	10	10	10	10	10	8	7	7	7	r early *a*: o, p : r carly *n*.
20	Ast 3 ; E Aue 4 ; W Cu 1 ; W Nbst 2.	Ast 2 ; Nbst 8	Ci 1 ; Acu 1 ; Cu 1 ; W Stcu 4.	10	10	9	10	7	10	7	6	7	r late *a* : r, *p* and *n*.
21	Ast 4 ; W Nbst 6	Ast 6 ; W Nbst 4	Ast 6 ; W Nbst 4	10	10	10	10	10	10	7	7	7	o, d°, o, *a*: o, r, *p* : r, *n*.
22	Ast 3 ; W Nbst 7	Ast 3 ; W Nbst 7	Cist 3 ; Acu 2 ; W Nbst 5.	10	10	10	10	10	9	7	7	7	r early *a*: ir, *p* : r, *n*.
23	Cist 3 ; Acu 1; W Cu 1 ; W Stcu 3.	Ast 6 ; Acu 2 ; Nbst 2.	Ast 5 ; W Cu 3	9	8	9	10	8	9	7	7	7	r early *a* : o, c, *p* : r° early *n*.
24	NE Acu 3 ; Ast 3 ; Cu 1 ; SW Nbst 2.	Cist 5 ; NE Acu 3 ; SW Stcu 2.	Ast 8 ; Nbst 2	10	9	10	10	10	10	7	7	7	r early *a*.
25	Ci 1 ; Cu 2 ; SW Nbst 6.	SW Stcu 5 ; Nbst 3	Ci 1 ; Cu 2 ; SW Nbst 4.	10	9	7	8	7	10	7	7	7	r late *a*: r°, *p*, and *n*.
26	Ast 4 ; W Nbst 6	SW Stcu 8 ; Cu 2	Cist 1 ; SW Stcu 5 ; Cu 2.	10	10	10	10	8	10	7	7	7	r° early *a*: o, c, *p* ; r°, *n*.
27	Ci 1 ; SW Stcu 6 ; Cu 1.	Ast 10	SW Stcu 7 ; Cu 2	10	8	10	10	9	7	7	7	7	r, *a* : o, c, *p* : r°, *n*.
28	Cist 2 ; Cu 1 ; SW Stcu 7.	Acu 3 ; Cu 1 ; SW Nbst 5.	E Ci 4 ; Acu 1 ; Cu 2 ; SW Stcu 1.	9	10	8	9	8	6	7	7	7	p early *a*.
29	Cist 1 ; SW Cu 5 ; SW Nbst 3.	Cist 2 ; Acu 2 ; W Stcu 6.	E Cist 3 ; Acu 1 ; W Stcu 4.	10	9	8	10	8	6	7	7	7	p, o, *a* : r early *p* : r°, *n*.
30	Acu 1 ; W Cu 2 ; W Stcu 4.	Stcu 5; Nbst 5	Ast 6 ; W Stcu 4	8	7	7	10	10	10	7	7	7	r, *a* : r° early *p*.
31	Ast 5 ; W Nbst 5.	Ast 3 ; W Nbst 7	Ast 6 ; W Nbst 4	10	10	10	10	10	9	7	7	7	r, *a* : r° early *p* : r°, *n*.
Mean cloud Amount.				9·4	8·9	9·0	9·0	8·6	8·5				

AUGUST.

Day.	Cloud Forms, amounts and directions.			Cloud Amount (All Forms).						Visibility.			Remarks on the weather of the day.
	8½ h.	12½ h.	16½ h.	6 h.	8½h.	10h.	12½h.	16½h.	22h.	8½h.	12½h.	16½h.	
1	E Acu 4 ; W Stcu 5	Ast 6 ; Stcu 2 ; Nbst 2.	Ast 4 ; W Stcu 4; Nbst 2.	10	9	10	10	10	10	7	7	7	r° early *a* : r°, *p*.
2	Nbst 10	Ast 7 ; Nbst 3	Ast 6 ; W Nbst 4	10	10	10	10	10	10	6	7	7	r late *a* : o, *p* : r, *n*.
3	Acu 3 ; W Stcu 7	NE Acu 4 ; SW Stcu 3 ; Cu 2.	Acu 2 ; W Stcu 4 ; Nbst 3.	9	10	9	9	9	6	7	7	7	r°, *a* : c, *p* : r, *n*.
4	SW Stcu 5 ; Cu 2 ; Nbst 3.	Ast 2 ; Stcu 4 ; W Nbst 4.	Cist 3 ; W Nbst 7	9	10	10	10	10	10	7	7	7	r, *a*, *p* and *n*
5	Ast 5 ; W Nbst 5	Ast 7 ; Nbst 3	Acu 2 ; Cu 2 ; W Nbst 5.	10	10	10	10	9	10	7	7	7	r° early *a* : r late *p* : r, *n*.
6	Ast 7 ; W Nbst 3	Ast 7 ; Nbst 3	W Nbst 10	10	10	10	10	10	10	7	7	7	r, o, r, *a* : o, r, *p* : r, *n*.
7	Cist 2 ; Acu 1 ; Cu 2 ; W Stcu 3.	Cist 2 ; W Stcu 3 ; W Cu 3.	Ast 3 ; Acu 1 ; W Cu 6.	10	8	9	8	10	10	7	7	7	r early *a* : r, *n*.
8	Cu 4 ; W Nbst 5	Cist 1 ; W Cu 4 ; Stcu 2.	Cu 3 ; W Nbst 7	10	9	9	7	10	6	7	7	7	r° early *a* : r late *n*.
9	W Cu 4 ; W Stcu 4	Cu 1 ; W Stcu 6	Cu 1 ; W Stcu 4	9	8	9	7	5	9	7	7	7	d° early *a* : r, *n*.
10	Cu 3 ; W Stcu 5	W Cu 5 ; W Nbst 3	Ast 3 ; W Stcu 7	8	8	8	8	10	10	8	7	7	r° late *a*: r°, *p* : r, *n*.
11	W Acu 4 ; Cu 1 ; W Stcu 3.	W Acu 2 ; W cu 5	W Acu 7 ; W Cu 3	10	8	7	7	10	10	7	7	7	r° early *a* : r, *n*.
12	Acu 1 ; Cu 2 ; W Stcu 6.	W Cu 5	SW Acu 2 ; Cu 1 ; W Stcu 1.	6	9	5	5	4	4	7	7	7	
13	Acu 2 ; W Cu 5 ; W Stcu 2.	SW Acu 3 ; Cu 3	Acu 3 ; Cu 1 ; W Stcu 5.	8	9	9	6	9	10	7	7	8	d° late *a*.
14	Cu 2 ; W Stcu 4	SW Cu 5	SW Acu 3 ; W Cu 3.	7	6	7	5	6	8	7	8	8	r early *a* : r, *n*.
15	Acu 2 ; Cu 1 ; W Nbst 7.	Ast 3 ; SW Cu 4 ; Nbst 3.	Ast 7 ; Stcu 3	9	10	10	10	10	6	8	7	8	r, *a*.
16	E Cicu 1 ; SW Acu 2 ; SW Cu 4.	Ast 3 ; W Nbst 7	Ast 1 ; W Nbst 9	10	7	8	10	10	10	8	7	7	r°, *a*.
17	Ast 6 ; W Nbst 4	Ast 4 ; W Nbst 6	Ast 6 ; W Nbst 4	10	10	10	10	10	8	7	7	7	o, r°, o, *a*.
18	Acu 3 ; SW Cu 3 ; W Stcu 4.	SE Acu 4 ; Cu 2 ; W Stcu 4.	Cist 2 ; NE Acu 3 ; SW Cu 3.	10	10	4	10	8	9	7	7	7	r° early *a* : r, *n*.
19	Ast 6 ; SW Nbst 4	Ast 2 ; Nbst 8	Ast 3 ; W Nbst 7	10	10	10	10	10	7	8	6	7	r early *a* : r°, *p*.
20	S Acu 7 ; Cu 1 ; W Stcu 1.	Cu 1 ; Stcu 4 ; W Nbst 3.	Acu 2 ; W Cu 4	10	9	9	8	6	7	7	7	8	r° early *a* : r, *n*.
21	Ast 5 ; Nbst 5	Acu 5 ; Cu 1 ; SW Stcu 2.	Cist 2 ; Acu 3 ; Cu 1 ; W Stcu 3.	10	10	9	8	9	10	7	7	7	r, *a* : r°, *n*.
22	SW Acu 6 ; W Stcu 4.	Ast 3 ; SW Stcu 7	Ast 2 ; W Nbst 8	9	10	7	10	10	5	7	7	6	r, *a* : r, *p* : r°, *n*.
23	Cu 1 ; W Stcu 8	W Cu 4	Acu 1 ; Cu 2 ; W Stcu 3.	10	9	1	4	6	2	7	7	7	r°, *n*.
24	NW Acu 4 ; Cu 1 ; Stcu 1.	Ast 4 ; Cu 1 ; SW Stcu 3.	W Acu 3 ; W Cu 4	4	6	9	8	7	2	7	8	8	r° late *a* : d late *p* : d early *n*.
25	W Acu 4 ; Cu 3 ; W Stcu 1.	Cu 1 ; W Stcu 8	W Acu 6 ; Cu 1 ; W Stcu 3.	10	8	5	9	10	10	7	7	7	r°, *a*.
26	Ci 1 ; W Acu 3 ; Cu 1 ; W Stcu 2.	Acu 8 ; Cu 2	NE Acu 3 ; Cu 1 ; W Stcu 3.	8	7	6	10	7	10	7	7	7	
27	E Acu 3 ; Cu 1	W Cu 5	W Cu 6	9	4	4	5	6	9	8	8	8	r early *a*.
28	Nbst 10	Cu 2 ; Stcu 6 ; Nbst 2	Ast 3 ; Cu 2 ; W Stcu 5.	8	10	8	10	10	9	6	8	7	r late *a*.
29	E Acu 5 ; W Cu 3 Nbst 2.	Acu 5 ; W Stcu 5	Ast 4 ; Nbst 6	10	10	10	10	10	10	8	8	7	r, *a* and *p*.
30	Ast 6 ; W Stcu 4	Ast 5 ; Cu 2 ; W Nbst 3.	E Ast 7 ; Acu 2 ; Cu 1.	10	10	10	10	10	10	8	7	8	
31	E Ast 8 ; Cu 2	Cist 3 ; E Acu 5 ; Cu 2.	Cist 5 ; Cu 2 ; W Stcu 3.	10	10	10	10	10	10	8	8	8	
Mean cloud Amount.				9·1	8·8	8·2	8·5	8·7	8·3				

SEPTEMBER.

Day.	Cloud Forms, amounts and directions.			Cloud Amount (All Forms).						Visibility.			Remarks on the weather of the day.
	8½ h.	12½ h.	16½ h.	6 h.	8½h.	10h.	12½h	16½h.	22h.	8½h.	12½h	16½h	
1	Ast 4; SW Nbst 6	Ast 7; Nbst 3	E Cist 1; Acu 1; Cu 3; W Nbst 5.	10	10	10	10	10	10	8	8	7	r, *a* : r, *p*.
2	W Stcu 10	Ast 7; Cu 1; Stcu 2.	Cist 2; W Acu 5; Cu 2.	9	10	7	10	9	9	7	8	8	r°q, *p* : r, *n*.
3	SW Acu 8; Cu 2	Acu 3; Cu 1; W Stcu 4.	Ast 5; Cu 1; W Stcu 4.	4	10	10	8	10	7	8	8	8	r° late *a*: c, q, c, *p*.
4	Cu 1 : W Stcu 5	Acu 3; W Nbst 7	Ci 1; Cu 1; Nbst 8	10	6	10	10	10	5	8	7	6	d early *a* : r° late *p* : r, *n*.
5	Ci 2; Acu 1; W Stcu 6.	Ast 3; W Nbst 7	Ast 4; Cu 1; W Nbst 5.	5	9	6	10	10	10	8	7	8	r°, *a* : r, *p* : r°, *n*.
6	Ast 4; W Nbst 6	Nbst 10	W Nbst 10	10	10	10	10	10	10	7	6	7	r, *a*, *p* and *n*.
7	Stcu 6; Nbst 4	Acu 3; Cu 2; W Stcu 5.	Ast 1; Nbst 9	10	10	8	10	10	10	7	8	8	r early *a* : r° late *p* : r, *n*.
8	Ast 5; W Nbst 5	Nbst 10	Nbst 10	10	10	8	10	10	10	8	4	6	r early *a* : r, *p* : r late *n*.
9	Ast 5; Cu 1; W Stcu 4.	Ci 2; S Acu 4; W Stcu 4.	Acu 2; Cu 1; W Stcu 5.	10	10	10	10	8	3	7	7	7	r, *a*.
10	Acu 4; SW Nbst 6	Acu 4; SW Nbst 6	Ast 5; Cu 2; SW Stcu 3.	10	10	8	10	10	8	8	7	7	r early *a* : r, *p* : r° *n*.
11	W Stcu 3; SW Nbst 7.	Nbst 10	Cist 1; SW Acu 4; Cu 1; SW Stcu 3.	7	10	10	10	9	10	7	6	7	r, *a* and *p* : r late *n*.
12	Ast 6; W Nbst 4	Ast 3; W Nbst 7	Ast 7; W Stcu 3	10	10	10	10	10	10	7	6	7	r, *a* : r late *n*.
13	Ast 3; SW Stcu 5; Nbst 2.	Ast 2; Cu 2; SW Nbst 6.	Cist 3; Cu 2; W Nbst 5.	10	10	10	10	10	3	7	7	7	r, *a* : r° late *p*.
14	Cu 2; S Stcu 8	Ci 2; SW Cu 4; W Stcu 2.	Acu 2; Cu 2; W Stcu 3.	9	10	9	8	7	3	8	8	8	
15	W Cu 5	Acu 1; Cu 1	Cu 2	7	5	4	2	2	2	8	8	8	
16	Ci 1; Cu 1	Cu 5	Ci 2; Cu 1	9	2	2	3	5	2	8	8	8	
17	Cu 1	Acu <1; Cu 3	Ci <1; Cu 1	2	1	3	3	1	2	8	8	8	
18	Ci 2; Acu 1; Cu <1.	Ci 1; Cu 2	Ci 1; Cu 1	3	3	3	3	2	0	8	8	8	
19	SE Stcu 7; Cu 1	Ci 5; Cu <1	Cu <1	4	8	5	5	<1	0	8	8	8	
20	Ci 1	Ci 2	Cist 6; Cunb 3	3	1	<1	2	9	10	8	8	8	L, *n*.
21	Ci 2; Stcu <1	Ci 2; Cu <1	Cist 1; Cunb 1	6	3	1	2	2	10	8	8	8	L, *n*.
22	Ci 1; Cist 4; Acu 1	Ci 1; Cunb 1	Cist 3; SW Cunb 5	9	6	8	2	8	10	8	8	8	r early *a*: T late *p* : r, L. *n*.
23	E Ci 8	SE Ci 3; Cunb 1	Ci 2; Ast 6; Stcu <1; Cunb 1.	8	8	5	4	9	10	8	8	8	L, *n*.
24	Ast 6, NE Nbst 4	SE Acu 7; Cu 2	Ast 4; Nbst 4; NE Cunb 2.	10	10	7	9	10	9	8	8	8	r TL, *a*: q ⌒ late *p* : L, *n*.
25	Ci 4	Ci 4; N Cu 2	E Ci 4; Cunb 1	6	4	2	6	5	5	8	8	8	
26	Ast 6; NE Nbst 4	Ast 3; E Acu 5; Cu 2	Ast 2; Nbst 8	10	10	10	10	10	8	8	8	8	r° TL, *a* : r° T late *p*.
27	Ci 3; Cu 1	Ci 3; Cu <1; Cunb 2.	Cist 5; W Stcu 2; Cunb 2.	7	4	3	5	9	8	8	8	8	
28	Ci 2; Cu 1	Ci 1; NE Acu 3; Cunb 1.	Ast 3; NW Cunb 3; NW Nbst 4.	7	3	4	5	10	10	8	8	8	T, *p* : r° T° L°, *n*.
29	NE Acu 9; Stcu <1.	Ci <1; Acu <1; Cu 2; Nbst 5.	Ci 1; Cist 4; Cu 1; Cunb 3.	10	10	5	7	9	10	8	7	8	r°T, *p* : T, *n*.
30	SE Ci 1; NE Acu 2; Cu <1.	Ci 2; Acu <1; Cu <1.	Acu 1; Cunb 4; Nbst 5	9	3	2	2	10	10	8	8	7	Tr° *p*.
Mean cloud Amount.				7·8	7·2	6·3	6·9	7·7	7·1				

OCTOBER.

1	E Ci 4; Cu <1; Stcu <1.	E Ci 6; Cu <1; W Stcu 1.	Ci 9; NW Stcu 1	8	4	6	7	10	9	7	8	8	
2	E Ci 1; Cu 1	Cu 1	Ci 2; Cu 1	8	2	2	1	3	10	7	7	8	L early *n*.
3	Ci 3; NW Stcu 1	NW Cu 2	Ci 4; NW Stcu 2	8	4	2	2	6	2	7	8	7	
4	E Ci 8; Cu 2	E Ci 7; Cu <1	Ci 6; NW Stcu 1	4	10	7	7	7	2	6	8	8	
5	NW Stcu 2	Cu <1	Ci 4	2	2	3	<1	4	4	7	8	7	
6	N Stcu 6	Stcu 1	Cu <1	5	6	7	1	>1	3	7	8	8	
7	Cu 1	Cu <1	Cunb 1	3	1	2	<1	1	2	7	8	8	
8	Cu 1; Stcu 1	Cu 1	Cu 1	2	2	1	1	1	1	7	8	8	
9	N Stcu 8	Cu <1	Ci 2; Cu 1	8	8	6	<1	3	2	8	8	8	
10	SE Ci 1; Stcu 3	Cist <1; Cu 1	Ci 2; Cunb 1	8	4	3	1	3	2	7	8	8	
11	Acu 3; N Cu 5	Ci 2; Cu 1	Ci 3; Cu <1	3	8	2	3	3	1	8	8	8	
12	Stcu 2	Cu 1	Cu 1	<1	2	3	1	1	<1	8	8	8	
13	SE Acu 5	Cu <1	Cu <1	3	5	4	<1	<1	<1	8	8	8	
14		Cu <1		1	0	0	<1	0	0	8	8	8	
15	Acu 1	Acu <1	Acu <1	1	1	<1	<1	<1	0	8	8	8	
16	Acu 1			3	1	0	0	0	0	8	8	8	
17				0	0	0	0	0	0	8	8	8	
18				<1	0	0	0	0	0	8	8	8	
19				0	0	0	0	0	0	8	8	8	
20				0	0	0	0	0	0	8	8	8	
21				0	0	0	0	0	0	8	8	8	
22				0	0	0	0	0	<1	8	8	8	
23		Ci 1	Ci 2	0	0	0	1	2	<1	8	8	8	
24	Ci 1	Ci 3; Cu <1	W Ci 4	<1	1	1	3	4	0	8	8	8	
25	Ci 2	Ci 2	Ci 2	6	2	1	2	2	0	8	8	8	
26	Ci 1			1	1	6	0	0	0	8	8	8	
27	Ci 2	Ci 4	Ci 6	7	2	0	4	6	6	8	8	8	
28	S Ci 8	S Ci 8	S Ci 5	6	8	9	8	5	4	8	8	8	
29	SW Ci 3	Ci 2; Cu <1	Ci <1; Cu 1	2	3	3	2	1	0	8	8	8	
30		Cu 1	Cu <1	<1	0	<1	1	<1	0	8	8	8	
31		Cu 1	Ci <1; Cu 1	<1	0	0	1	1	1	8	8	8	
Mean cloud Amount.				2·9	2·5	2·2	1·5	2·0	1·6				

NOVEMBER.

Day.	Cloud Forms, amounts and directions.			Cloud Amount (All Forms).						Visibility.			Remarks on the weather of the day.
	8½ h.	12½ h.	16½ h.	6 h.	8½h.	10h.	12½h.	16½h.	22h.	8½h.	12½h.	16½h.	
1	Ci <1	Cu <1	Cu <1	1	<1	<1	<1	<1	0	8	8	8	
2	Ci <1	Ci 3	Ci 2	<1	<1	0	3	2	1	8	8	8	
3	Ci <1	Cu <1	Cu <1	2	<1	0	<1	<1	0	8	8	8	
4	SW Ci 1 ; SW Acu 4	Ci 1 ; Cu 1	Ci 1 ; Acu <1 ; Cu 2.	7	5	2	2	3	8	8	8	8	
5	Ci 4 ; Stcu 1	Ci 3 ; Cu 1	Ci 3 ; NE Stcu 2	3	5	2	4	5	1	8	8	8	
6	Ci 5	Ci 5	SE Ci 7	4	5	3	5	7	0	8	8	8	
7	E Acu 8	SE Acu 8	Acu 1 ; E Stcu 8	7	8	9	8	9	10	8	8	8	
8	SE Acu 8	S Ci 2 ; SE Acu 4 ; Stcu 2.	Ci 2 ; SE Acu 4; Stcu 1.	9	8	7	8	7	10	8	8	8	L, r, *n*.
9	Ci 2 ; Acu 1 ; SE Stcu 7.	Ci 3 ; Acu 1 ; Ast 5 ; Cu 1.	SW Cist 5 ; S Acu 3 ; Cu 1.	10	10	10	10	9	10	8	8	8	r early *a* : r T L late *n*.
10	Ast 4 ; SE Stcu 6	Ast 6 ; S Stcu 3 ; Cu 1	Ast 3 ; Cunb 1; Nbst 6.	10	10	10	10	10	10	8	8	6	r early *a* : r° T, *p* : r T° I,°, *n*.
11	S Stcu 10	Ast 6 ; Stcu 4	Ast 3 ; S Stcu 7	10	10	10	10	10	10	8	8	8	d early *a* : r early *p* : L, *n*.
12	S Nbst 10	Ast 3 ; S Nbst 7	Ast 2 ; S Nbst 8	10	10	10	10	10	6	8	6	7	rT, *a* : rq, *p* : L, *n*.
13	Ci 2 ; S Stcu 5	Ci 3 ; Cu 3 ; S Stcu 2	S Cist 8 ; Cu 1	5	7	5	8	9	1	8	8	8	
14	SW Ci 3 ; S Stcu 5	Ci 1 ; Cu 2 ; S Stcu 7	Stcu 4 ; Cunb 2	7	8	7	10	6	0	8	8	8	
15	Cicu <1 ; St 9	S Acu 4 ; Cu 3	Cu 1	1	9	8	7	1	0	6	8	8	
16	Acu 1 ; S Stcu 2	Cu 1 ; Cunb 1	Acu <1 ; Cu 2 ; Cunb 1.	2	3	1	2	3	9	8	8	8	L; *n*.
17	Stcu 1 ; St 2 ; Cu <1	Cu 2	Cu 2	<1	3	<1	2	2	1	8	8	8	L, *n*.
18	SW Ci 4	SW Ci 5 ; Cu 1	SW Ci 6 ; Cu 1 ; Cunb 1.	1	4	2	6	8	0	7	8	8	L, *n*.
19	Cicu 1 ; Acu 2 ; Stcu <1.	SW Ci 3 ; Cicu 1 ; Cu 1.	Cist 2 ; Acu 4; Cu 1	1	3	3	5	7	0	8	8	8	L early *n*.
20		Cu 1	Cunb 2	4	0	2	1	2	0	8	8	8	L early *n*.
21	Ci 3	Ci 2 ; Cu 1	Cu 1 ; Cunb 1	3	3	1	3	2	1	8	8	8	L early *n*.
22	Cu 1	Ci <1 ; Cu 1	Cu 1	<1	1	<1	1	1	1	8	8	8	
23	W Ci 4	SW Ci 5	Ci 7	5	4	3	5	7	0	8	8	8	
24	W Ci 7	SW Ci 3	SW Ci 8	8	7	2	3	8	8	8	8	8	
25	SW Ci 9	SW Ci 7	SW Ci 9	7	9	9	7	9	7	8	8	8	
26	Ci 9	Ci 5	SW Ci 5	3	9	6	5	5	3	8	8	8	
27	SW Ci 6	W Ci 5	SW Ci 4	9	6	7	5	4	1	8	8	8	
28	SW Ci 8	W Ci 8	W Ci 8	7	8	7	8	8	2	8	8	8	
29		Ci <1		<1	0	0	<1	0	0	7	8	8	
30	Ci 1	Stcu 1	Cist 1	0	1	0	1	1	0	8	8	8	
Mean cloud Amount.				4·5	5·2	4·2	5·0	5·2	3·3				

DECEMBER.

1				0	0	0	0	0	0	8	8	8	
2				0	0	0	0	0	0	8	8	8	
3				0	0	0	0	0	0	8	8	8	
4				0	0	0	0	0	0	8	8	8	
5		Cu <1	Cu <1	0	0	0	<1	<1	0	8	8	8	
6		Cu <1	Cu <1	0	0	0	<1	<1	0	8	8	8	
7		Cu 1	Cu <1	<1	0	0	1	<1	0	8	8	8	
8	Stcu <1	Cu 1	Cu <1	<1	<1	0	1	<1	0	8	8	8	
9		Cu <1	Cu <1	<1	0	0	<1	<1	0	8	8	8	
10				<1	0	0	0	0	0	8	8	8	
11				0	0	0	0	0	0	8	8	8	
12				<1	0	0	0	0	0	8	8	8	
13	Ci 1	Ci 9	Ci 9	1	1	7	9	9	0	8	8	8	
14	W Ci 3	Ci 2	Ci <1	1	3	1	2	<1	0	8	8	8	
15	W Ci 2	W Ci 3	Ci 1	2	2	3	3	1	0	8	8	8	
16	Ci 5	Cist 5	W Cist 10	1	5	5	5	10	0	8	8	8	
17	Cist 1	Ci 2	Ci 2	3	1	1	2	2	0	8	8	8	
18	Ci 4	Ci 1	Ci 1	1	4	2	1	1	0	7	8	8	
19	Ci <1	Ci 8 ; Cu 1	W Ci 1 ; Cu 1	<1	<1	4	8	1	0	7	7	8	
20	Ci 1	Ci <1	Ci <1	<1	1	2	<1	<1	0	7	8	8	
21	Ci 1			1	1	0	0	0	0	7	8	8	
22				1	0	0	0	0	0	8	8	8	
23	Ci <1	Ci <1 ; Cu <1		0	<1	0	<1	0	0	7	7	8	
24		Ci <1		0	0	0	<1	1	0	7	8	8	
25			Ci 1 Cu <1	<1	0	0	0	0	0	5	7	7	
26				<1	0	0	0	0	0	7	7	7	
27				0	0	0	0	0	0	7	8	8	
28	Ci <1	Ci 1	Ci <1	1	<1	1	1	<1	0	8	7	7	
29				0	0	<1	0	0	0	7	7	8	
30	Ci <1	Ci 4	Ci 4	<1	<1	1	4	4	3	8	8	8	
31	W Ci 7	W Ci 9	SW Ci 10	2	7	8	9	10	6	8	8	8	
Mean cloud. Amount				0·5	0·8	1·2	1·5	1·3	0·3				

DURATION OF BRIGHT SUNSHINE,* 1936.

Month.	Hours. (L.A.T.).												Bright Sunshine.	
	6—7	7—8	8—9	9—10	10—11	11—12	12—13	13—14	14—15	15—16	16—17	17—18	Average per day.	Greatest number of hours in a day.
	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.	hr.
January	0·04	0·94	0·97	1·00	1·00	1·00	1·00	1·00	1·00	1·00	0·98	0.13	10·0	10·5
February	0·13	0·82	0·94	0·97	0·97	1·00	0·97	0·98	0·99	0·97	0·92	0·16	9·8	10·6
March	0·10	0·86	0·97	1·00	0·99	0·99	1·00	1·00	1·00	1·00	0·96	0·15	10·0	10·9
April	0·36	0·94	0·93	0·95	1·00	1·00	1·00	1·00	1·00	1·00	1·00	0·48	10·7	**11·3**
May	0·15	0·71	0·77	0·81	0·87	0·88	0·92	0·90	0·90	0·90	0·90	0·37	9·1	11·1
June	0·09	0·36	0·40	0·47	0·53	0·45	0·48	0·45	0·38	0·36	0·39	0·15	4·5	11·0
July	0·01	0·17	0·24	0·30	0·20	0·24	0·26	0·33	0·25	0·27	0·24	0·03	2·5	6·8
August	0·03	0·16	0·26	0.33	0·41	0·33	0·35	0·44	0·45	0·31	0·20	0·02	3·3	9·0
September	0·01	0·35	0·46	0·58	0·63	0·63	0·54	0·59	0·55	0·49	0·30	0·00	5·1	10·1
October	0·12	0·79	0·91	0·94	0·94	0·97	1·00	1·00	1·00	1·00	0·82	0·09	9·6	10·8
November	0.09	0·64	0·79	0·77	0·82	0·81	0·80	0·82	0·83	0·77	0·69	0·20	8·0	10·7
December	0·09	0·95	1·00	1·00	1·00	1·00	1·00	0·99	0·99	0·94	0·90	0·15	10·0	10·4
Mean	**0·10**	0·64	0·72	0·76	0·78	0·77	0·78	**0·79**	0·78	0·75	0·69	0·16	7·7	

* From Campbell-Stokes Sunshine Recorder.

LIBRARY OF THE BOMBAY BRANCH OF THE ROYAL ASIATIC SOCIETY

MAGNETIC TABLES.

(ALIBAG OBSERVATORY.)

Diurnal variation of magnetic elements.

The following tables give the diurnal variation of declination (D), horizontal component of the force (H), the easterly component (Y), the vertical component (Z), the inclination (I) and the total force (F) for each month based on the hourly tabulations for the 5 international quiet days and the 5 international disturbed days. Owing to the very small value of D the variation tables of H and the northerly component of the force (X) are practically the same. No separate table for $\triangle X$ has consequently been given. The days are reckoned from 4 h. 51 m. of the local mean time which corresponds to the Greenwich civil time 0 h.

The variations in X, Y, I and F were computed from the variations in D, H and Z by means of the formulæ:

$$\begin{aligned}
\triangle X &= 1{\cdot}000\ \triangle H + 0{\cdot}064\ \triangle D \\
\triangle Y &= -0{\cdot}006\ \triangle H + 10{\cdot}938\ \triangle D \\
\triangle I &= 0{\cdot}075\ \triangle Z - 0{\cdot}035\ \triangle H \\
\triangle F &= 0{\cdot}903\ \triangle H + 0{\cdot}430\ \triangle Z
\end{aligned}$$

A *plus* sign indicates an hourly value greater than the mean for the day.

Mean results are also given for groups of four months, as indicated by the Roman numerals at the head of the columns:—I. January, February, November, December: II. March, April, September, October; III. May, June, July, August.

All diurnal inequalities have been corrected for a periodic change by the formula $\frac{N(12-n)}{24}$ where "N" denotes the excess of the value at the second midnight of the representative day over the value at the first midnight, and "n" denotes any hour of the day reckoned from 0h (first midnight) to 24h.

The actual non-cyclic corrections applied, namely, $a_{24} - a_0$, in the different months of the year have been given under the respective columns of the tables for $\triangle D$, $\triangle H$ and $\triangle Z$.

The "allowance for the use of means", which is given by $u_p = m_p + \frac{1}{12}\left(m_p - \frac{m_{p+1} + m_{p-1}}{2}\right)$, where u_p is the true ordinate and m_{p-1}, m_p and m_{p+1}, the successive mean ordinates, is very small and less than 1γ for H and V and 0·1 minute of arc for D. Although small, the corrections have been used in the following variation tables so as to determine the last significant figure.

N

133520

DIURNAL VARIATION OF D, 1936.

[INTERNATIONAL QUIET DAYS, GREENWICH MEAN TIME.]

Hour.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Group means.			Year.
	I	I	II	II	III	III	III	III	II	II	I	I	I	II	III	
	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′
0	—0·1	—0·0	—0·2	—0·2	+0·4	+0·4	+0·5	+0·6	+0·4	—0·2	—0·1	0·0	—0·1	0·0	+0·5	+0·1
1	—0·1	—0·1	—0·2	+0·2	+1·4	+1·6	+1·6	+1·6	+1·1	—0·1	—0·1	—0·1	—0·1	+0·3	+1·5	+0·6
2	—0·2	0·0	0·0	+1·3	+2·9	+2·7	+2·7	+2·8	+2·5	+1·0	—0·2	—0·4	—0·2	+1·2	+2·8	+1·3
3	+0·4	+0·1	+0·8	+2·1	**+3·1**	**+3·1**	**+2·8**	**+3·3**	**+2·9**	**+1·8**	+0·4	—0·3	+0·1	**+2·0**	**+3·1**	**+1·7**
4	**+1·2**	+0·2	**+1·1**	**+2·3**	+2·1	+2·3	+1·9	+2·3	+2·1	+1·8	**+0·5**	0·0	**+0·5**	+1·8	+2·1	+1·5
5	+1·0	—0·4	+0·9	+1·6	+0·2	+0·9	+0·3	+0·6	+0·6	+1·1	+0·1	+0·1	+0·2	+1·1	+0·5	+0·6
6	0·0	—1·3	+0·3	+0·1	—1·4	—0·7	—0·9	—1·2	—1·0	0·0	—0·3	+0·1	—0·4	—0·1	—1·1	—0·5
7	—0·8	**—1·6**	—0·5	—1·3	—2·6	—1·9	—2·0	—2·4	—2·4	—1·2	**—0·9**	0·0	**—0·8**	—1·4	—2·2	—1·5
8	**—0·9**	—1·2	—0·9	**—1·9**	**—3·1**	—2·0	**—2·6**	**—3·1**	**—2·8**	**—2·0**	—0·4	+0·2	—0·6	**—1·9**	**—2·7**	**—1·7**
9	—0·5	—0·5	**—0·9**	—1·5	—2·6	**—2·1**	—2·3	—3·0	—2·5	—1·6	+0·1	+0·2	—0·2	—1·7	—2·5	—1·4
10	—0·4	+0·4	—0·5	—0·8	—1·6	—1·7	—1·5	—1·9	—1·7	—0·5	+0·1	—0·1	0·0	—0·9	—1·7	—0·9
11	—0·2	**+1·1**	+0·1	—0·1	—0·5	—1·0	—0·9	—0·8	—0·4	+0·1	0·0	—0·3	+0·1	—0·1	—0·8	—0·2
12	—0·1	+0·8	+0·3	0·0	+0·3	—0·7	—0·3	0·0	+0·1	—0·1	—0·3	**—0·5**	0·0	+0·1	—0·2	—0·1
13	—0·1	+0·3	+0·1	—0·2	+0·7	—0·3	+0·3	+0·4	0·0	—0·4	—0·3	—0·4	—0·1	—0·1	+0·3	0·0
14	+0·1	+0·4	—0·1	—0·2	+0·1	—0·4	0·0	—0·1	—0·1	0·0	+0·1	+0·1	+0·2	—0·1	—0·1	0·0
15	+0·2	+0·3	—0·1	—0·3	—0·1	—0·7	—0·3	—0·2	—0·1	0·0	+0·2	+0·2	+0·3	—0·1	—0·3	—0·1
16	+0·1	+0·1	—0·2	—0·3	—0·1	—0·5	—0·3	—0·3	—0·1	0·0	+0·2	+0·2	+0·1	—0·1	—0·3	—0·1
17	+0·1	+0·2	—0·2	—0·2	0·0	—0·2	—0·1	—0·2	0·0	—0·1	+0·2	+0·2	+0·1	—0·1	—0·1	0·0
18	+0·1	+0·1	—0·1	0·0	0·0	—0·1	—0·1	—0·1	+0·1	0·0	+0·2	+0·1	+0·1	0·0	—0·1	0·0
19	+0·1	+0·2	0·0	0·0	+0·1	+0·1	0·0	+0·1	+0·2	+0·1	+0·2	**+0·3**	+0·2	+0·1	+0·1	+0·1
20	+0·1	+0·3	+0·1	—0·1	+0·2	+0·3	+0·2	+0·3	+0·3	+0·1	+0·2	+0·2	+0·2	+0·1	+0·3	+0·2
21	+0·1	+0·2	+0·1	—0·1	+0·2	+0·4	+0·2	+0·4	+0·3	+0·2	+0·1	+0·2	+0·1	+0·1	+0·3	+0·2
22	+0·1	+0·2	0·0	—0·1	+0·2	+0·4	+0·2	+0·4	+0·3	0·0	+0·1	+0·1	+0·1	+0·1	+0·3	+0·2
23	0·0	+0·1	—0·1	—0·3	+0·1	+0·3	+0·3	+0·5	+0·2	—0·1	0·0	+0·2	+0·1	—0·1	+0·3	+0·1
Non-cyclic change (24h—0 h.)	+0·18	+0·33	+0·19	+0·04	—0·11	0·00	+0·04	+0·12	+0·11	+0·03	+0·08	+0·19				

DIURNAL VARIATION OF H, 1936.

[INTERNATIONAL QUIET DAYS, GREENWICH MEAN TIME.]

	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ
0	—7	—9	—14	—15	—17	—14	—17	—12	—12	—12	—9	—9	—8	—13	—15	—12
1	—7	—9	—13	—15	—16	—12	—17	—11	—12	—11	—7	—5	—7	—13	—14	—11
2	—4	—7	—11	—9	—9	—6	—9	—6	**—14**	—9	—2	0	—3	—11	—8	—7
3	—1	—1	—1	+5	+5	+4	+4	+1	—11	+2	+7	+7	+3	—1	+3	+2
4	+4	+5	+14	+24	+25	+17	+18	+12	+4	+19	+16	+13	+9	+15	+18	+14
5	+9	+13	+29	+42	+42	+32	+34	+27	+20	+31	+26	+21	+17	+31	+33	+27
6	**+19**	+21	+37	**+51**	**+51**	+41	+43	+34	+30	**+41**	**+31**	**+30**	+25	+40	+42	+36
7	+18	+26	**+42**	+49	+48	**+43**	**+45**	**+37**	**+33**	+39	+29	+30	**+26**	**+41**	**+43**	**+37**
8	+17	+27	+38	+37	+37	+36	+41	+32	+30	+30	+19	+22	+21	+34	+37	+31
9	+15	+22	+26	+23	+24	+27	+35	+21	+21	+16	+9	+12	+15	+21	+27	+21
10	+12	+17	+13	+8	+9	+14	+22	+11	+12	+6	+3	+2	+8	+10	+14	+11
11	+6	+5	+6	—3	—1	+2	+5	**+3**	+3	**—2**	—4	—4	+1	+1	+2	+1
12	—1	0	—1	—7	—9	—6	—9	—4	—2	—4	—7	—6	—3	—3	—7	—5
13	—3	—5	—6	—9	—13	—13	—17	—8	—2	—6	—7	—5	—5	—6	—13	—8
14	—5	—9	—11	—14	—16	—16	—18	—11	—3	—9	—7	—7	—7	—9	—15	—11
15	—7	—10	—15	—17	—17	—15	—19	—13	—7	—13	—11	—10	—9	—13	—16	—13
16	—12	—11	**—19**	—19	—17	—15	—19	**—15**	—9	**—17**	—13	—10	—11	—16	—16	—15
17	**—12**	**—13**	—19	**—20**	—17	—16	**—19**	—14	—11	—16	**—14**	—12	**—13**	**—16**	—17	**—15**
18	—10	—12	—18	—19	—17	—16	—17	—13	—12	—14	—12	**—13**	—12	—15	—16	—14
19	— 8	—11	—16	—20	—17	—17	—17	—13	—11	—14	—11	—13	—11	—15	—16	—14
20	—6	—11	—16	—20	—17	—18	—18	—14	—11	—15	—10	—12	—10	—15	—17	—14
21	—5	—10	—16	—19	—18	—18	—17	—14	—12	—14	—10	—12	—9	—15	—17	—14
22	—5	—10	—16	—19	**—19**	**—18**	—17	—14	—13	—14	—9	—11	—9	—15	**—17**	—14
23	—7	—10	—15	—17	—18	—16	—17	—13	—12	—13	—9	—11	—9	—14	—16	—13
Non-cyclic change (24h—0 h.)	+4·0	+4·8	+5·8	+9·2	+4·9	+3·1	+4·6	+6·6	+8·6	+3·2	+2·4	+6·3				

DIURNAL VARIATION OF Y, 1936.

[INTERNATIONAL QUIET DAYS, GREENWICH MEAN TIME.]

	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
	—1	0	—2	—2	+4	+5	+5	+7	+4	—2	—1	0	—1	0	+5	+2
1	—1	—1	—2	+2	+16	+17	+17	+18	+12	—1	—1	—2	—1	+3	+17	+6
2	—2	0	0	+15	+32	+29	+30	+30	+27	+11	—2	—4	—2	+13	+30	+14
3	+4	+1	+9	+23	**+34**	**+33**	**+30**	**+36**	**+32**	**+20**	+4	—3	+2	**+21**	**+33**	**+19**
4	**+13**	+2	**+12**	**+25**	+23	+25	+20	+25	+23	+19	**+5**	0	**+5**	+20	+23	+16
5	+11	—4	+9	+17	+1	+9	+3	+7	+6	+12	+1	+1	+2	+11	+5	+6
6	0	—14	+3	+1	—15	—8	—10	—14	—11	—1	—4	+1	—4	—2	—12	—6
7	—8	**—17**	—6	—15	—29	—21	—22	—26	—27	—14	**—9**	0	**—9**	—15	—25	—16
8	**—9**	—14	—9	**—20**	**—34**	—22	**—28**	**—34**	**—31**	**—22**	—4	+2	—6	**—21**	**—30**	**—19**
9	—6	—5	**—10**	—17	—29	**—23**	—25	—33	—28	—18	+1	+2	—2	—18	—27	—16
10	—5	+4	—6	—9	—17	—19	—17	—21	—18	—6	+2	—1	0	—10	—18	—9
11	—2	**+12**	+1	—1	—6	—11	—10	—9	—4	+1	0	—3	+2	—1	—9	—3
12	—1	+8	+3	0	+3	—7	—3	0	+1	—1	—4	**—6**	0	+1	—2	—1
13	—1	+3	+2	—2	+8	— 3	+3	+5	0	—5	—3	—5	—2	—1	+3	0
14	+1	+5	—1	—3	+2	—5	0	—1	—1	0	+2	+1	+2	—1	—1	0
15	+2	+4	—1	—3	—1	—7	—3	—2	—1	0	+2	+3	+3	—1	—3	—1
16	+1	+2	—2	—4	—1	—5	—3	—3	—1	0	+2	+2	+2	—1	—3	—1
17	+1	+2	— 2	—2	0	—2	—1	—2	0	—1	+2	+2	+2	—1	—1	0
18	+1	+2	—1	0	0	—1	—1	—1	+2	0	+2	+1	+1	0	0	0
19	+1	+2	0	0	+1	+1	0	+1	+2	+1	+2	**+3**	+2	+1	+1	+1
20	+1	+3	+1	—1	+2	+3	+3	+3	+3	+1	+2	+2	+2	+1	+3	+2
21	+1	+2	+1	0	+2	+4	+3	+4	+4	+2	+1	+2	+2	+2	+3	+2
22	+2	+2	0	—1	+2	+4	+3	+5	+4	0	+1	+2	+2	+1	+3	+2
23	0	+1	—1	—3	+2	+3	+3	+5	+2	—1	0	+2	+1	—1	+3	+1

DIURNAL VARIATION OF Z, 1936.

[INTERNATIONAL QUIET DAYS, GREENWICH MEAN TIME.]

Hour.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Group means.			Year. §
	I	I	II	II	III	III	III	III	II	II*	I	I	I	II*	III	
	γ	γ	γ	γ	γ	γ	γ	γ	γ		γ	γ	γ		γ	γ
0	+3	0	−1	+3	+11	+11	+8	+8	+11		+1	+1	+1		+10	+5
1	+4	**+9**	+1	+8	**+19**	**+17**	**+16**	+14	+18		+2	+2	+4		**+17**	**+10**
2	+5	+8	+5	**+11**	+18	+17	+13	**+15**	**+20**		+4	+2	+5		+15	**+11**
3	**+9**	+7	**+6**	+7	+4	+7	+4	+6	+6		**+5**	**+5**	**+6**		+5	+6
4	+5	0	+1	+2	−14	−10	−11	−10	−14		+1	+3	+2		−11	−4
5	−8	−11	−5	−8	−22	−25	−21	−22	−29		−4	0	−6		−23	−14
6	−14	**−16**	−9	−15	−24	**−33**	−25	**−30**	**−33**		−10	−2	**−11**		**−28**	**−19**
7	**−17**	−9	**−11**	**−17**	**−25**	−29	**−27**	−27	−29		**−11**	−3	−10		−27	−19
8	−14	−2	−6	−11	−17	−20	−19	−20	−16		−4	−3	−6		−19	−12
9	−9	+3	−2	−3	−8	−13	−10	−8	−4		−1	−4	−3		−10	−5
10	−6	+8	+4	+1	+1	−3	0	+2	+4		−3	**−5**	−1		0	0
11	−2	+8	+5	+2	+8	+4	+6	+8	+7		−3	−3	0		+7	+4
12	−1	−2	+2	−2	+9	+5	+9	+9	+3		−5	−3	−3		+8	+2
13	0	−4	−1	−3	+5	+5	+7	+5	0		0	−1	−1		+5	+1
14	+4	0	−1	−2	−1	+1	+1	+1	+1		+3	+2	+2		0	+1
15	+3	−1	−1	−1	0	+3	+2	+1	+3		+2	+1	+1		+1	+1
16	+2	−1	−2	+1	+3	+5	+4	+3	+3		0	−2	0		+4	+1
17	+3	+1	0	+3	+4	+6	+5	+5	+5		+1	−2	+1		+5	+3
18	+5	+1	+3	+4	+5	+7	+5	+6	+6		+3	−1	+2		+6	+4
19	+8	+2	+3	+5	+6	+9	+6	+7	+8		+3	+1	+4		+7	+5
20	+5	+1	+3	+4	+5	+8	+7	+7	+8		+3	+2	+3		+7	+5
21	+5	0	+2	+4	+4	+8	+6	+7	+7		+3	+2	+3		+7	+5
22	+5	0	+1	+3	+4	+8	+7	+7	+7		+4	+3	+3		+7	+5
23	+4	−1	+1	+4	+5	+9	+7	+7	+7		+5	+4	+3		+7	+5
Non-cyc'lic change (24h—0 h.)	+6·1	+7·6	−0·7	−4·2	−5·1	−8·5	−6·1	+5·1	−5·6		−0·7	−8·7				

DIURNAL VARIATION OF I, 1936.

[INTERNATIONAL QUIET DAYS, GREENWICH MEAN TIME.]

	′	′	′	′	′	′	′	′	′		′	′	′		′	′
0	+0·5	+0·3	+0·4	+0·7	+1·4	+1·3	+1·2	+1·0	+1·2		+0·4	+0·4	+0·4		+1·2	+0·8
1	+0·6	**+1·0**	+0·5	+1·1	**+2·0**	**+1·7**	**+1·8**	**+1·5**	+1·8		+0·4	+0·3	+0·6		**+1·7**	**+1·2**
2	+0·5	+0·9	+0·7	**+1·2**	+1·7	+1·5	+1·3	+1·3	**+2·0**		+0·3	+0·2	+0·5		+1·5	+1·1
3	**+0·7**	+0·5	+0·5	+0·4	+0·1	+0·4	+0·2	+0·4	+0·8		+0·1	+0·1	+0·3		+0·3	+0·4
4	+0·2	−0·2	−0·4	−0·7	−1·9	−1·3	−1·4	−1·2	−1·2		−0·5	−0·2	−0·2		−1·5	−0·8
5	−0·9	−1·3	−1·4	−2·1	−3·1	−3·0	−2·8	−2·6	−2·9		−1·2	−0·8	−1·1		−2·9	−2·0
6	−1·7	**−2·0**	−2·0	−2·9	**−3·6**	**−3·9**	−3·3	**−3·4**	**−3·5**		**−1·9**	−1·2	**−1·7**		**−3·5**	**−2·7**
7	**−1·9**	−1·6	**−2·3**	**−3·0**	−3·5	−3·7	**−3·6**	−3·3	−3·3		−1·9	**−1·3**	−1·7		−3·5	−2·7
8	−1·7	−1·1	−1·8	−2·1	−2·6	−2·7	−2·9	−2·6	−2·2		−1·0	−1·0	−1·2		−2·7	**−2·0**
9	−1·2	−0·5	−1·0	−1·0	−1·4	−1·9	−1·9	−1·3	−1·0		−0·4	−0·7	−0·7		−1·6	−1·1
10	−0·8	+0·1	−0·2	−0·2	−0·2	−0·7	−0·8	−0·3	−0·1		−0·3	−0·5	−0·4		−0·5	−0·4
11	−0·3	+0·4	+0·2	+0·2	+0·7	+0·2	+0·3	+0·5	+0·4		−0·1	−0·1	0·0		+0·4	+0·2
12	0·0	−0·1	+0·2	+0·1	+1·0	+0·6	+1·0	+0·8	+0·3		−0·1	−0·1	−0·1		+0·9	+0·3
13	+0·1	−0·1	+0·1	+0·1	+0·9	+0·8	+1·2	+0·6	+0·1		+0·2	+0·1	+0·1		+0·9	+0·4
14	+0·5	+0·3	+0·3	+0·3	+0·5	+0·7	+0·7	+0·5	+0·2		+0·5	+0·4	+0·4		+0·6	+0·4
15	+0·5	+0·3	+0·4	+0·5	+0·6	+0·7	+0·8	+0·6	+0·4		+0·5	+0·4	+0·4		+0·7	+0·5
16	+0·6	+0·3	+0·5	+0·7	+0·8	+0·9	+0·9	+0·7	+0·6		+0·5	+0·2	+0·4		+0·8	+0·6
17	+0·7	+0·5	+0·7	+0·9	+0·9	+1·1	+1·0	+0·9	+0·7		+0·5	+0·3	+0·5		+1·0	+0·7
18	+0·7	+0·5	**+0·8**	+1·0	+0·9	+1·1	+1·0	+0·9	+0·9		+0·7	+0·4	+0·6		+1·0	+0·8
19	**+0·9**	+0·5	+0·8	+1·1	+1·0	+1·3	+1·1	+1·0	+1·0		+0·6	+0·5	**+0·6**		+1·1	+0·9
20	+0·6	+0·5	+0·8	+1·0	+1·0	+1·2	+1·1	+1·0	+1·0		+0·6	+0·6	+0·6		+1·1	+0·9
21	+0·5	+0·4	+0·7	+0·9	+1·0	+1·2	+1·1	+1·0	+1·0		+0·6	+0·6	+0·5		+1·1	+0·8
22	+0·6	+0·3	+0·7	+0·9	+1·0	+1·2	+1·1	+1·0	+1·0		+0·6	+0·6	+0·5		+1·1	+0·8
23	+0·5	+0·3	+0·6	+0·9	+1·0	+1·2	+1·1	+1·0	+0·9		**+0·7**	**+0·7**	+0·5		+1·1	+0·8

DIURNAL VARIATION OF F, 1936.

[INTERNATIONAL QUIET DAYS, GREENWICH MEAN TIME.]

	γ	γ	γ	γ	γ	γ	γ	γ	γ		γ	γ	γ		γ	γ
0	−4	−8	−13	−13	−11	−8	−12	−8	−6		−7	−7	−7		−10	−9
1	−4	−4	−12	−10	−7	−3	−8	−4	−3		−5	−3	−4		−5	−6
2	−1	−3	−8	−3	−1	+2	−3	+1	−4		0	+1	−1		0	−2
3	+3	+2	+2	+7	+6	+7	+5	+3	−7		+8	+9	+5		+5	+4
4	+5	+5	+13	+23	+16	+11	+12	+7	−2		+15	+13	+10		+11	+11
5	+5	+7	+24	+34	+28	+18	+22	+14	+6		+22	+19	+13		+21	+18
6	**+11**	+12	+30	**+40**	**+36**	+22	+28	+18	+13		**+24**	**+26**	+18		+26	**+25**
7	+9	+20	**+34**	+37	+33	**+26**	**+29**	**+22**	+17		+22	+26	**+19**		**+28**	+25
8	+9	**+23**	+32	+29	+26	+24	+29	+20	**+20**		+16	+19	+17		+25	+23
9	+9	+21	+23	+20	+18	+19	+27	+16	+17		+8	+9	+12		+20	+17
10	+8	+19	+14	+8	+9	+12	+20	+11	+12		+1	0	+7		+13	+10
11	+4	+8	+8	−1	+2	+4	+7	+6	+6		−5	−5	+1		+5	+3
12	−1	−1	0	−7	−4	−3	−4	0	−1		−9	−7	−4		−3	−3
13	−3	−7	−6	−9	−10	−10	−12	−5	−2		−6	−5	−5		−9	−7
14	−3	−8	−11	−14	−15	**−14**	**−16**	−10	−2		−5	−5	−5		**−14**	−9
15	−5	−10	−14	−16	**−15**	−12	−16	−11	−5		−9	−9	−8		−14	−11
16	**−10**	−11	**−18**	−17	−14	−11	−15	**−12**	−7		−12	−10	−11		−13	−12
17	−9	**−11**	−17	**−17**	−14	−12	−15	−11	−8		**−13**	−12	**−11**		−13	**−13**
18	−7	−10	−15	−15	−13	−11	−13	−9	−8		−10	**−12**	−10		−12	−11
19	−4	−9	−13	−16	−13	−12	−13	−9	−7		−8	−11	−8		−12	−11
20	−4	−10	−13	−16	−13	−12	−13	−9	−7		−8	−10	−8		−12	−11
21	−3	−9	−13	−15	−14	−12	−12	−10	−8		−7	−10	−7		−12	−10
22	−3	−9	−13	−15	−15	−13	−12	−10	**−9**		−6	−9	−7		−13	−10
23	−4	−9	−13	**−13**	−14	−11	−12	−9	−8		−6	−8	−7		−11	**−10**

* As the V. F. instrument was under adjustment on three of the internationally quiet days in October the monthly means and the group means have not been taken.

§Mean of 11 months.

DIURNAL VARIATION OF D, 1936.

[INTERNATIONAL DISTURBED DAYS, GREENWICH MEAN TIME.]

Hour.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sep.	Oct.	Nov.	Dec.	Group Means:			Year.
	I	I	II	II	III	III	III	III	II	II	I	I	I	II	III	
	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′
0	+0·1	+0·3	+0·1	+0·7	+0·8	+0·5	+0·7	+0·8	0·0	—0·4	—0·7	—0·6	—0·2	+0·1	+0·7	+0·2
1	—0·5	+0·4	+0·2	+1·0	+1·7	+1·4	+1·7	+1·7	+0·4	—0·5	—0·7	—0·8	—0·4	+0·3	+1·6	+0·5
2	—0·5	+0·2	+1·1	+2·3	+2·9	+2·8	**+2·9**	+3·1	+1·6	+0·1	**—0·9**	**—1·3**	**—0·6**	+1·3	+2·9	+1·2
3	—0·4	—0·1	**+1·8**	**+2·9**	**+3·4**	**+3·5**	+2·8	**+3·1**	**+2·3**	+0·8	—0·4	—0·7	+0·4	**+1·9**	**+3·2**	**+1·6**
4	—0·1	—0·5	+1·8	+2·0	+2·5	+2·7	+2·0	+2·0	+1·9	**+0·9**	+0·5	+0·1	0·0	+1·7	+2·3	+1·3
5	—0·2	—0·8	+1·5	+0·6	+0·6	+1·2	+0·6	0·0	+0·9	+0·2	+0·5	+0·3	—0·1	+0·8	+0·6	+0·4
6	—0·7	—1·1	+0·7	—1·2	—1·4	—0·8	—1·3	—1·7	—0·6	—0·5	+0·4	+0·2	0·3	—0·4	—1·3	—0·7
7	**—0·7**	**—1·7**	—0·8	—2·4	—3·0	—2·3	—2·5	—3·1	—1·9	+0·8	+0·3	+0·3	—0·4	—1·5	—2·7	—1·5
8	—0·1	—1·1	—2·0	**—2·8**	**—3·5**	**—2·7**	**—2·6**	**—3·3**	**—2·6**	**—0·9**	+0·6	+0·2	—0·1	**—2·1**	**—3·0**	**—1·7**
9	+0·3	—0·2	**—2·3**	—2·3	—2·8	—2·1	—2·4	—2·7	—2·2	—0·6	**+0·7**	+0·2	+0·3	—1·9	—2·5	—1·4
10	+0·3	+0·7	—1·2	—1·5	—1·8	—1·4	—1·9	—2·1	—1·1	—0·3	+0·6	+0·2	**+0·5**	—1·0	—1·8	—0·8
11	+0·1	**+1·1**	—0·4	—0·9	—1·0	—0·8	—1·2	—1·0	—0·2	+0·2	+0·2	—0·1	+0·3	—0·3	—1·0	—0·3
12	—0·3	+0·9	0·0	—0·3	—0·1	—0·6	—0·5	0·0	—0·2	—0·3	—0·4	—0·2	0·0	—0·2	—0·3	—0·2
13	—0·4	—0·2	—0·2	0·0	+0·2	—0·7	+0·4	+0·5	—0·4	—0·4	—0·5	—0·1	—0·3	—0·2	+0·1	—0·2
14	—0·1	0·0	—0·2	—0·2	—0·3	—0·8	—0·1	+0·3	—0·2	0·0	—0·1	+0·3	0·0	—0·1	—0·2	—0·1
15	0·0	+0·1	—0·3	—0·2	—0·4	—0·7	+0·2	+0·2	0·0	+0·1	—0·1	+0·2	+0·1	—0·1	—0·2	—0·1
16	+0·1	0·0	—0·3	—0·5	—0·3	—0·8	—0·2	—0·1	+0·1	+0·2	—0·2	+0·1	0·0	—0·1	—0·4	—0·2
17	0·0	0·0	0·0	0·0	—0·2	—0·5	—0·1	0·0	+0·2	+0·3	0·0	+0·1	0·0	+0·1	—0·2	0·0
18	+0·5	+0·2	+0·1	+0·3	+0·1	—0·2	0·0	+0·2	+0·3	+0·7	+0·2	+0·2	+0·3	+0·3	0·0	+0·2
19	+0·4	+0·1	+0·1	+0·5	+0·2	+0·1	+0·1	+0·3	+0·4	+0·7	+0·2	**+0·4**	+0·3	+0·4	+0·2	+0·3
20	**+0·6**	+0·5	+0·2	+0·3	+0·4	+0·3	+0·1	+0·4	+0·5	+0·5	+0·3	+0·2	+0·4	+0·4	+0·3	+0·4
21	+0·5	+0·5	+0·1	+0·6	+0·6	+0·6	+0·3	+0·4	+0·5	+0·1	+0·1	+0·4	+0·4	+0·3	+0·5	+0·4
22	+0·6	+0·4	0·0	+0·5	+0·7	+0·7	+0·5	+0·5	+0·3	+0·1	—0·1	+0·3	+0·3	+0·2	+0·6	+0·4
23	+0·4	—0·4	—0·1	+0·6	+0·8	+0·7	+0·5	+0·6	+0·1	—0·1	—0·4	—0·1	+0·1	+0·1	+0·7	+0·3
Non-cyclic change (24h—0h.)	—0·06	—0·32	—0·18	+0·08	—0·01	—0·30	—0·50	—0·13	—0·11	+0·24	—0·87	—0·08				

DIURNAL VARIATION OF H, 1936.

[INTERNATIONAL DISTURBED DAYS, GREENWICH MEAN TIME.]

	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ
0	—4	—3	—6	+1	—12	+7	—1	—5	—1	+5	+7	—3	—1	0	—3	—1
1	+1	0	—3	+1	—10	+13	+7	—5	0	+4	+5	+3	+2	0	+1	+1
2	+4	+3	—5	—5	—8	+23	+13	—7	+2	+14	+13	+7	+7	+1	+5	+4
3	+9	+12	+8	+2	+3	+21	+19	—6	+3	+21	+27	+18	+17	+9	+9	+11
4	+19	+13	+19	+13	+20	+17	+34	+3	+21	+28	+33	+30	+24	+20	+18	+21
5	+31	+18	+33	+35	+39	+25	+40	+14	+34	+39	**+44**	**+39**	+33	+35	+29	+33
6	**+35**	+29	**+36**	**+42**	**+48**	**+27**	+50	+22	**+42**	+42	+42	+35	**+35**	**+41**	**+37**	**+38**
7	+31	**+34**	+34	+38	+44	+19	**+55**	+26	+36	**+42**	+31	+29	+31	+37	+36	+35
8	+21	+28	+29	+27	+33	+13	+53	**+27**	+32	+35	+17	+17	+21	+31	+31	+28
9	+11	+19	+22	+9	+18	—6	+36	+20	+27	+14	+4	+7	+10	+18	+17	+15
10	+3	+11	+8	0	+7	—20	+13	+14	+14	—12	—8	—1	+1	+2	+3	+2
11	0	—2	—7	—5	—1	**—28**	—5	+6	—1	—19	—13	—12	—7	—8	—7	—7
12	—9	—13	—9	—13	—15	—27	—31	—5	—12	—27	—15	—17	—13	—15	—19	—16
13	—9	—12	—16	—25	—22	—22	—45	—12	—20	—27	—23	—11	—14	—22	—25	—20
14	—17	—19	—22	**—29**	—24	—26	—43	—13	**—32**	—28	—34	—15	—22	**—28**	**—27**	—25
15	—22	—24	—20	—25	**—24**	—21	**—46**	**—14**	—27	—22	**—40**	**—22**	**—27**	—24	—26	**—26**
16	—14	**—27**	—19	—23	—18	—8	—39	—10	—25	—18	—35	—19	—24	—21	—19	—21
17	—11	—26	**—22**	—18	—14	—2	—28	—8	—25	—23	—24	—16	—19	—22	—13	—18
18	—12	—17	—20	—14	—14	+3	—23	—9	—19	**—28**	—12	—11	—13	—21	—11	—15
19	—16	—6	—5	—9	—6	—2	—21	—9	—17	—23	—14	—13	—12	—14	—9	—12
20	**—23**	—11	—12	0	—7	—2	—17	—8	—12	—12	—13	—17	—16	—9	—9	—11
21	—12	—3	—9	—6	—11	—2	—14	—4	—12	—5	—3	—12	—8	—8	—8	—8
22	—5	+1	—6	+2	—11	—1	—4	—9	—7	—6	+6	—10	—2	—4	—6	—4
23	—11	—3	—6	0	—14	0	—5	—7	—1	+5	+6	—5	—3	—1	—7	—3
Non-cyclic change 24h—0h.)	—12·1	—9·3	—5·2	—1·4	—13·4	—20·0	—20·6	—7·1	—11·2	—15·6	—36·9	—15·6				

DIURNAL VARIATION OF Y, 1936.

[INTERNATIONAL DISTURBED DAYS, GREENWICH MEAN TIME.]

	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ
0	+1	+3	+2	+8	+9	+5	+8	+9	0	—4	—7	—6	—3	+1	+8	+2
1	—5	+4	+2	+11	+19	+15	+19	+19	+4	—5	—8	—8	—4	+3	+18	+5
2	—5	+2	+12	+25	+32	+31	**+32**	+34	+17	+1	**—11**	**—14**	**—7**	+14	+32	+13
3	—5	—2	**+20**	**+31**	**+37**	**+38**	+30	**+34**	**+25**	+8	—4	—8	—5	**+21**	**+35**	**+17**
4	—1	—5	+20	+22	+28	+29	+21	+21	+21	**+10**	+5	+1	0	+18	+25	+14
5	—2	—9	+16	+6	+7	+13	+6	0	+9	+2	+5	+3	—1	+9	+6	+5
6	—7	—12	+7	—13	—16	—9	—14	—19	—7	—6	+4	+2	—3	—5	—15	—8
7	**—8**	**—19**	—9	—26	—33	—25	—27	—33	—21	—9	+3	+3	—5	—16	—30	—17
8	—1	—13	—22	**—31**	**—38**	**—29**	**—29**	**—37**	**—29**	**—10**	+6	+2	—1	**—23**	**—33**	**—19**
9	+3	—2	**—26**	—25	—31	—23	—27	—30	—25	—7	+8	+2	+3	—21	—28	—15
10	+3	+8	—13	—17	—20	—15	—21	—23	—12	—3	+6	+2	**+5**	—11	—20	—9
11	+2	**+12**	—4	—9	—11	—9	—13	—11	—2	+3	+2	0	+4	—3	—11	—3
12	—4	+10	0	—3	—1	—6	—5	0	—2	—3	—5	—2	0	—2	—3	—2
13	—4	—2	—2	0	+2	—8	+5	+5	—4	—4	—5	—1	—3	—3	+1	—2
14	—1	+1	—2	—2	—3	—8	—1	+3	—2	0	—1	+3	0	—1	—2	—1
15	0	+1	—3	—2	—4	—7	+2	+2	0	+1	—1	+3	+1	—1	—2	—1
16	+1	0	—3	—5	—4	—9	—2	—1	+1	+2	—2	+2	0	—1	—4	—2
17	0	0	+1	+1	—2	—5	—1	0	+3	+3	0	+2	0	+2	—2	0
18	+5	+2	+1	+3	+1	—3	0	+2	+3	+8	+3	+2	+3	+4	0	+2
19	+5	+1	+1	+6	+2	+1	+1	+4	+5	+8	+3	**+5**	+3	+5	+2	+3
20	**+7**	+6	+2	+4	+5	+3	+1	+4	+5	+6	+3	+3	+5	+4	+3	+4
21	+6	+6	+1	+6	+6	+6	+4	+4	+5	+1	+1	+5	+4	+3	+5	+4
22	+6	+5	0	+5	+8	+7	+6	+6	+3	+1	—2	+4	+3	+3	+7	+4
23	+5	+4	—1	+7	+8	+7	+6	+7	+1	—2	—4	—1	+1	+1	+7	+3

DIURNAL VARIATION OF Z, 1936.

[INTERNATIONAL DISTURBED DAYS, GREENWICH MEAN TIME.]

Hours.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sep.	Oct.	Nov.	Dec.	Group Means.			Year.
	I	I	II	II	III	III	III	III	II	II	I	I	I	II	III	
	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ
0	−2	+3	+6	+19	+7	+9	+11	+9	+9	+8	+3	−2	+1	+8	+9	+6
1	−3	+5	+7	+13	**+14**	+17	**+18**	**+16**	+14	+11	+3	+1	+1	+11	**+16**	+10
2	−3	+2	**+12**	**+16**	+13	**+19**	+16	+14	**+17**	**+16**	+7	+1	+2	**+15**	+15	**+11**
3	0	−2	+8	+3	−1	+8	+5	+3	+7	+16	**+9**	+7	**+4**	+8	+3	+5
4	+2	−4	+1	−15	−20	−8	−8	−13	−10	−3	+4	**+10**	+3	−7	−12	−5
5	−4	−9	−5	−25	−28	−24	−21	−22	−24	−9	−1	+4	−3	−15	−24	−14
6	**−7**	**−14**	−12	**−25**	**−32**	**−32**	**−30**	**−27**	**−33**	**−13**	−4	0	−6	**−21**	**−30**	**−19**
7	−3	−12	**−21**	−20	−29	−27	−26	−24	−29	−10	−1	−1	−4	−20	−27	−17
8	+5	−1	−19	−11	−16	−15	−17	−17	−18	−7	+4	0	+2	−14	−16	−9
9	+4	−1	−8	−3	−2	−5	−9	−8	−3	−4	+1	−2	+1	−5	−6	−3
10	0	+7	+3	+3	+6	−3	−1	+1	+6	−3	−5	−2	0	+2	+1	−1
11	−5	+3	+2	+4	+11	−1	+5	+8	+4	−4	−11	−2	−4	+1	+6	+1
12	−7	−5	−2	+3	+10	0	+6	+9	−1	−8	**−13**	**−3**	**−7**	−2	+6	−1
13	−3	−7	−2	+1	+5	−1	+5	+5	−1	−7	−7	−1	−5	−2	+4	−1
14	+1	−1	−1	0	+1	−1	0	+1	+2	−3	−3	+2	0	0	0	0
15	+1	−1	0	+2	+4	−2	+3	+1	+3	−3	−4	−1	−1	+1	+1	0
16	+2	+1	+2	+3	+5	+4	+3	+2	+6	0	−2	−2	0	+3	+4	+2
17	+4	+3	+5	+7	+8	+8	+5	+5	+6	+2	+3	−2	+2	+5	+6	+4
18	**+6**	+5	+5	+7	+9	+9	+7	+7	+8	+3	+4	−1	+3	+6	+8	**+6**
19	+3	+5	+5	+7	+8	+9	+6	+7	+9	+2	+3	0	+3	+6	+8	+5
20	+3	**+7**	+5	+7	+8	+9	+6	+6	+9	+3	+3	−1	+3	+6	+7	+5
21	+2	+5	+3	+6	+7	+9	+7	+6	+7	+3	+3	−2	+2	+5	+7	+5
22	+3	+4	+3	+5	+7	+7	+6	+5	+7	+5	+2	−2	+2	+5	+6	+4
23	+1	+3	+2	+5	+6	+7	+5	+5	+7	+5	+2	−2	+1	+5	+6	+4
Non cyclic change (24h—0h)	+4·9	+0·8	−2·4	+2·4	+10·5	−1·2	+4·3	−1·9	−2·6	−1·1	−1·4	+15·3				

DIURNAL VARIATION OF I, 1936.

[INTERNATIONAL DISTURBED DAYS, GREENWICH MEAN TIME.]

	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′
0	0·0	+0·3	+0·6	+0·7	+1·0	+0·4	+0·8	+0·9	+0·7	+0·4	0·0	0·0	+0·1	+0·6	+0·8	+0·5
1	−0·2	+0·4	+0·6	+1·0	**+1·4**	+0·8	+1·1	**+1·4**	+1·1	+0·7	+0·1	−0·1	0·0	+0·9	+1·2	+0·7
2	−0·3	+0·1	+1·1	**+1·4**	+1·3	+0·6	+0·7	+1·3	+1·2	+0·7	+0·1	−0·1	−0·1	+1·1	+1·0	+0·7
3	−0·3	−0·6	+0·3	+0·1	−0·2	−0·2	−0·3	+0·4	+0·4	+0·4	−0·2	−0·1	−0·3	+0·3	−0·1	0·0
4	−0·5	−0·8	−0·6	−1·6	−2·2	−1·2	−1·8	−1·1	−1·5	−1·2	−0·9	−0·3	−0·6	−1·2	−1·6	−1·1
5	−1·4	−1·3	−1·5	−3·1	−3·5	−2·6	−3·0	−2·1	−3·0	−2·0	−1·6	−1·1	−1·3	−2·4	−2·8	−2·2
6	**−1·7**	−2·1	−2·2	**−3·4**	**−4·1**	**−3·3**	**−4·0**	**−2·8**	**−4·0**	**−2·5**	**−1·8**	**−1·2**	**−1·7**	**−3·0**	**−3·6**	**−2·7**
7	−1·3	**−2·1**	**−2·8**	−2·8	−3·7	−2·7	−3·9	−2·7	−3·4	−2·3	−1·1	−1·1	−1·4	−2·8	−3·3	−2·5
8	−0·3	−1·1	−2·5	−1·8	−2·4	−1·6	−3·2	−2·2	−2·5	−1·7	−0·3	−0·6	−0·6	−2·1	−2·3	−1·7
9	−0·1	−0·7	−1·4	−0·6	−0·8	−0·1	−1·9	−1·3	−1·2	−0·8	−0·1	−0·4	−0·3	−1·0	−1·0	−0·8
10	−0·1	+0·1	0·0	+0·2	+0·2	+0·4	−0·6	−0·4	−0·1	+0·2	−0·2	−0·1	−0·1	+0·1	−0·1	0·0
11	−0·4	+0·3	+0·4	+0·4	+0·9	**+0·9**	+0·5	+0·4	+0·3	+0·3	0·4	+0·2	0·0	+0·4	−0·7	+0·3
12	−0·2	+0·1	+0·2	+0·6	+1·3	+0·9	+1·5	+0·9	+0·3	+0·3	−0·5	+0·4	−0·1	+0·4	+1·1	+0·5
13	+0·1	−0·1	+0·4	+0·9	+1·2	+0·7	**+1·9**	+0·8	+0·6	+0·5	+0·2	+0·3	+0·1	+0·6	**+1·2**	+0·6
14	+0·7	+0·6	+0·7	+1·0	+0·9	+0·8	+1·5	+0·5	+1·3	+0·7	+1·0	**+0·7**	+0·7	+0·9	+0·9	+0·9
15	+0·8	+0·8	+0·7	+1·0	+1·1	+0·6	+1·9	+0·6	+1·2	+0·6	**+1·1**	+0·7	**+0·9**	+0·9	+1·0	+0·9
16	+0·7	+1·0	+0·9	+1·0	+1·0	+0·6	+1·6	+0·5	+1·3	+0·7	+1·1	+0·5	+0·8	+1·0	+0·9	+0·9
17	+0·7	**+1·1**	**+1·1**	+1·1	+1·1	+0·7	+1·3	+0·6	**+1·3**	+0·9	+1·0	+0·4	+0·8	+1·1	+0·9	**+1·0**
18	+0·9	+1·0	+1·1	+1·0	+1·2	+0·6	+1·3	+0·8	+1·3	**+1·2**	+0·7	+0·3	+0·7	**+1·1**	+1·0	+0·9
19	+0·8	+0·6	+0·5	+0·9	+0·8	+0·8	+1·2	+0·8	+1·3	+1·0	+0·7	+0·4	+0·6	+0·9	+0·9	+0·8
20	**+1·0**	+0·9	+0·8	+0·5	+0·9	+0·7	+1·0	+0·8	+1·1	+0·6	+0·7	+0·5	+0·8	+0·7	+0·9	+0·8
21	+0·6	+0·5	+0·6	+0·7	+0·9	+0·7	+1·0	+0·6	+1·0	+0·4	+0·3	+0·3	+0·4	+0·7	+0·8	+0·6
22	+0·4	+0·3	+0·4	+0·3	+0·9	+0·6	+0·6	+0·7	+0·7	+0·5	0·0	+0·2	+0·2	+0·5	+0·7	+0·5
23	+0·5	+0·3	+0·4	+0·4	+0·9	+0·5	+0·6	+0·7	+0·5	+0·3	−0·1	0·0	+0·2	+0·4	+0·7	+0·4

DIURNAL VARIATION OF F, 1936.

[INTERNATIONAL DISTURBED DAYS, GREENWICH MEAN TIME.

	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ
0	−5	−1	−3	+5	−8	+10	+4	0	+3	+8	+7	−4	−1	+3	+1	+1
1	−1	+2	0	+6	−3	+19	+13	+2	+6	+8	+6	+3	+3	+5	+8	+5
2	+2	+4	+1	+2	−2	**+28**	+18	0	+9	+19	+14	+6	+7	+8	+11	+9
3	+9	+10	+10	+3	+2	+23	+19	−4	+6	+26	+29	+19	+16	+11	+10	+12
4	+18	+10	+18	+6	+9	+11	+27	−3	+14	+24	+31	+23	+23	+16	+11	+17
5	+26	+12	**+27**	+21	+23	+12	+27	+3	+21	+31	**+40**	**+37**	+29	+25	+16	+23
6	**+29**	+20	+27	**+27**	**+29**	+11	+33	+8	**+24**	+32	+37	+32	**+29**	**+28**	+20	**+26**
7	+27	+25	+22	+26	+27	+6	+39	+13	+20	**+34**	+27	+26	+26	+25	+21	+24
8	+21	**+25**	+18	+20	+23	+5	**+41**	**+17**	+21	+28	+17	+15	+20	+22	**+21**	+21
9	+12	+17	+17	+7	+16	−8	+29	+15	+23	+11	+4	+5	+9	+14	+13	+12
10	+3	+13	+8	+1	+9	−19	+11	+13	+15	−12	−9	−1	+1	+3	+3	+3
11	−2	−1	−5	−3	+4	**−26**	−2	+9	+1	−19	−17	−11	−8	−7	−4	−6
12	−11	−14	−9	−10	−9	−24	−25	0	−11	**−28**	−20	−16	−15	−14	−15	−15
13	−10	−14	−15	−22	−18	−20	−38	−9	−19	−28	−24	−10	−14	−21	−21	−19
14	−15	−18	**−20**	**−26**	**−21**	−24	−39	−12	**−28**	−26	−32	−13	−20	**−25**	**−24**	−23
15	**−20**	−22	−18	−22	−20	−20	**−40**	**−12**	−23	−21	**−37**	**−20**	**−25**	−21	−23	**−23**
16	−12	**−24**	−16	−19	−14	−6	−34	−8	−21	−17	−32	−17	−21	−18	−15	−18
17	−8	−22	−18	−13	−9	+1	−24	−5	−20	−20	−23	−15	−17	−18	−9	−15
18	−8	−13	−16	−10	−9	+6	−18	−5	−14	−24	−9	−10	−10	−16	−6	−11
19	−13	−3	−3	−5	−2	+2	−16	−5	−12	−20	−11	−11	−10	−10	−5	−8
20	−19	−7	−9	+3	−3	+2	−13	−5	−7	−9	−10	−16	−13	−6	−5	−8
21	−10	−1	−7	−3	−7	+2	−10	−1	−8	−3	−1	−12	−6	−5	−4	−5
22	−3	+3	−4	+4	−7	+3	−1	−5	−3	−3	+6	−10	−1	−2	−3	−2
23	−9	−1	−5	+2	−10	+3	−2	−4	+2	+6	+7	−5	−2	+1	−3	−1

DECLINATION (WESTERLY), 1936.

(Averages for sixty minutes centred at the full hours of Greenwich mean time.)

JANUARY. — 0° PLUS TABULAR QUANTITIES.

Date.	Hours (G. M. T.).														
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14
	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′
1	18·9	19·0	18·9	18·0	17·0	18·2	20·2	21·0	20·3	19·7	18·7	18·1	18·4	19·2	19·0
2	18·6	18·7	18·3	17·4	16·5	17·4	19·2	20·3	20·5	20·5	19·7	19·0	19·1	19·2	19·1
3†	18·8	18·7	18·1	17·4	16·7	18·7	20·5	21·4	21·3	20·8	20.2	19·3	19·1	19·2	19·1
4†	18·7	18·4	18·1	16·9	**16·2**	17·2	19·1	19·9	20·2	20·5	20·8	20·5	20·1	19·8	19·2
5	19·3	19·3	19·3	18·2	17·1	17·2	18·1	19·5	19·2	19·3	19·5	19·6	19·9	19·6	19·2
6†	19·1	19·1	19·5	19·3	18·3	18·0	18·2	18·7	19·3	19·5	19·6	19·5	19·4	19·5	19·3
7†	19·8	20·0	20·5	20·3	19·7	18·3	18·5	19·3	19·4	19·0	19·0	19·2	19·2	19·4	19·1
8††	19·7	20·1	20·2	19·5	18·6	18·4	18·5	18·6	18·7	18·9	18·9	19·1	19·4	19·3	19·1
9	20·3	20·2	20·4	20·2	19·8	19·2	18·5	19·3	19·4	19·1	18·4	18·0	18·3	18·9	18·5
10	20·3	20·3	20·2	19·8	19·1	18·2	18·5	19·0	18·4	17·9	17·8	18·0	18·3	18·5	18·5
11	19·8	20·0	19·9	19·6	18·5	17·9	19·2	20·4	20·0	18·5	18·1	18·0	18·3	18·8	18·7
12	19·4	19·8	20·1	19·8	19·5	19·3	20·3	20·9	20·5	19·5	19·1	18·7	18·8	18·8	18·5
13	20·1	20·3	20·5	20·0	19·7	19·7	19·7	19·5	19·4	19·3	18·8	18·4	18·3	18·9	18·6
14	19·6	19·5	19·5	19·3	18·8	18·9	20·0	20·6	20.4	19·6	19·1	18·7	18·9	19·3	19·2
15	19·9	20·0	20·3	20·1	19·1	18.3	18·3	18·9	19·3	19·3	19·2	19·0	18·8	19·2	19·2
16†	20·1	20·1	20·4	19·9	19·3	19·1	19·5	20·4	20·1	19·0	18·7	18·8	18·9	19·0	19·1
17	19·8	20·0	20·3	20.1	20·3	**19·8**	20·0	20·0	19·6	19·4	19·2	19·1	19·2	19·3	19·1
18††	20·0	20·3	20·1	19·5	19·3	19·0	19·2	19·6	18·6	18·3	18·7	19·2	20·2	20·1	19·7
19	19·5	19·3	20·1	20·2	19·9	19·8	20·2	20·3	19·7	19·5	18·7	18·7	19·2	19·4	19·2
20	19·8	19·8	20·0	19·4	18·2	17·8	18·9	20·2	20·3	19·6	18·8	18·5	19·3	19·8	19·7
21	19·5	19·8	20·0	20·1	19·9	20·0	20·2	20·4	20·1	20·0	19·4	18·7	19·3	19·7	19·5
22	19·5	19·4	19·6	19·5	18·8	19·0	20·4	20·9	20·0	19·4	19·0	18·8	19·2	19·8	19·4
23	19·4	19·8	20·6	21·0	20·6	20·3	20·4	21·3	20·5	19·9	19·5	19·2	19.4	19·5	19·2
24††	19·5	19·5	19·6	19·9	19·3	19·4	20·0	19·6	19·1	19·0	19·1	19·1	19·5	20·0	19·7
25††	17·9	19·3	19·6	20·1	20·3	20·5	20·6	20·6	20.0	18·9	18·9	19·2	19·0	19·3	18·9
26††	18·9	19·3	19·1	19·3	19·1	20·1	21·1	21·2	20·4	19·5	19·1	18·9	19 7	19·3	19·3
27	19·1	19·1	19 4	19·9	20·1	20·7	21·8	21·4	20·7	20·1	19·1	19·1	19·5	19·9	19·5
28	19·1	19·2	18·9	18·3	18·1	18·6	19·3	20·3	19·9	19·0	18.5	17·9	18 2	19·2	19·2
29	19·2	19·0	19·0	19·2	19·7	20·8	21.8	22·1	22·0	20·5	18·9	17·9	18·5	19·0	19·2
30	19·1	18·8	18·4	17·8	17·7	18·5	19·4	20·9	21·3	20·1	18·5	17·9	18·7	18·7	18·9
31	18·5	18·8	19·0	18·8	18·5	18·9	20·9	**22·2**	21·1	19·6	19·3	19·1	19·0	19·1	19·1
Mean . .	19·4	19·5	19·6	19·3	18·8	18.9	19·7	**20·3**	20·0	19·5	19·1	**18·8**	19·0	19·3	19·1
Mean† . .	19·4	19·3	19·5	18·9	**18·1**	18·3	19·2	20·0	**20 1**	19·8	19·7	19·5	19·3	19·4	19·1
Mean†† . .	19·2	19·7	19·7	19·7	19·3	19·4	19·9	**19·9**	19·3	18·9	13·9	19·1	19·6	19·6	19·4

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1†	19·1	19·2	18·9	18·2	17·7	18·6	21·1	21·9	21·2	20·3	19·9	19·2	19·2	19·6	19·4
2	19·6	19·4	19·2	19·0	19·0	19·2	20·2	20·9	20·5	19·9	19·8	19·6	19·9	19·6	19·2
3	18·6	18·6	18·8	18·7	18·5	19·3	19·6	20·7	20·5	19·2	18·5	18·5	19·6	19·8	19·6
4	19·8	20·0	20·0	19·8	19·1	18·7	18·6	18·6	17·7	17·6	18·1	18·5	19·6	19·9	19·5
5†	20·1	20·2	20·3	20·5	20·1	20·5	21·2	21·6	20·9	19·7	18·7	18·1	18·8	19·5	19·1
6	20·1	20·3	20·1	19·8	19·8	19·9	19·8	19·5	19·5	18.4	17·6	17·6	18·9	19·7	19·5
7†	19·9	20·2	20·1	20·3	20·4	20·2	20·2	20·1	20·0	19·5	18·6	18·1	18·6	19·0	19·1
8	19·9	20·1	19·6	19·2	19·0	19·3	19·6	19·4	19·2	18·7	18·1	18·1	18·7	19·6	19·5
9	19·5	20·0	20·1	20·2	20·2	19·7	20·0	20·5	20·6	19·4	18·2	18·0	18·1	18·7	18·6
10	19·7	19·9	19·3	19·5	20·1	20·7	20·7	20·1	20·0	18·9	18·0	17·3	17·8	18·9	19·0
11	19·6	19·9	19·6	18·8	20·2	20·6	20,7	20·7	20·2	19·5	18·8	18·7	19·0	19.2	19·1
12	19·5	19·3	19·2	19·0	19·1	19·7	20·6	21·1	20·6	19·5	18·3	17·5	18·2	18·4	18·8
13†	19·4	19·6	19·6	20·1	20.5	20·9	21·2	21·3	20·7	19·9	19·0	18·2	18·6	19·1	19·0
14	19·8	19·7	19·4	19·5	19·8	20·3	20·7	20·9	20·3	19·2	18·1	17·5	18·6	19·8	19·6
15	18·7	18·9	18·4	18·7	19·3	20·0	20·4	20·5	19·8	18·9	18·1	18·1	18·7	19·5	19·1
16††	19·9	20·0	20·0	19·9	19·5	19·1	18·9	19·0	18·8	18·2	17·6	16·6	**15·5**	18·4	18·4
17††	18·9	18·6	18·9	19·4	19·9	20·5	20·8	21·0	20·1	19·1	18·6	18·6	19·6	20·3	19·3
18	18·5	18·5	18·6	19·0	18·9	19·1	19·5	19·8	19·6	18·9	18·6	18·3	18·5	18·9	18·9
19††	19·1	19·0	18·8	18·8	19·1	19·6	20·1	20.8	20·8	19·6	18·8	18·5	18·6	19·1	19·1
20	18·3	18·2	18·6	18·9	19·4	19·7	20·4	20·6	20·0	18·9	18·2	18·2	19·0	19·6	19·3
21††	18·2	18·2	18·2	18·7	19·5	19·5	19·8	20·6	20·1	19·1	18·1	17·9	18·5	19·0	19·0
22††	18·0	17·7	18·5	19·2	19·7	20·4	21·1	21·8	20·6	19·5	18·0	17·9	18·2	19·1	18·6
23	18·7	18·6	18·5	18·5	19·4	20·5	21·3	21·0	20·8	19·6	18·4	18·1	18·5	19·4	18·4
24	18·3	18·5	18·1	18·1	18·7	18·9	19·5	19·9	19·4	18·9	18·4	18·1	18·2	18.7	18·9
25	18·7	18·7	18·0	18·1	19·5	20·8	21·5	**22·1**	21·6	20·0	19·1	18·2	18·5	19·2	19·0
26	18·6	18·6	18·7	18·7	18·7	19·6	20·1	20·8	21·0	20·4	19·8	18·8	18·7	19·1	18·9
27	17·9	17·6	17·7	17·8	18·7	19·5	19·4	19·7	19·6	19·3	18·8	18·3	18·7	18·7	19·1
28†	18·6	18·5	18·3	17·7	17·9	19·2	20·0	20·5	20·9	20·6	19·7	19·0	18·9	19·3	19·3
29	19·3	19·3	19·2	19·0	19·1	19·2	19·8	20·5	20·7	20·8	20·1	19·4	19·3	19·4	19·3
Mean . .	19·1	19·1	19·1	19·1	19·3	19·8	20·3	**20·5**	20·2	19·4	18·6	**18·2**	18·7	19·3	19·1
Mean† . .	19·6	19·7	19·6	19·5	19·4	20·0	20·9	**21·2**	20·8	20·1	19·2	**18·5**	18·8	19·3	19·2
Mean†† . .	18·7	18·5	18·7	19·1	19·4	19·7	20·9	**20·6**	20·1	19·1	18·2	**17·9**	18·1	19·1	18·9

† Five international quiet days.
†† Five international disturbed days.

(Averages for sixty minutes centred at the full hours of Greenwich mean time.)

JANUARY. 0° PLUS TABULAR QUANTITIES.

Hours (G. M. T.).									Mean.*	Maximum.		Minimum.		Date.
15	16	17	18	19	20	21	22	23		Time.	Mag.	Time.	Mag.	
′	′	′	′	′	′	′	′	′	′	H. M.	′	H. M.	′	
19·1	19·2	19·0	19·1	19·1	19·0	18·9	19·0	18·9	19·0	3 50	16·9	6 50	21·5	1
19·1	19·3	19·5	19·3	19·2	19·1	19·1	18·9	18·8	19·0	4 20	16·2	7 44	20·7	2
19·1	19·2	19·3	19·2	19·2	19·1	19·1	19·0	18·9	19·2	4 10	16·4	7 14	21·6	3†
19·0	19·3	19·4	19·5	19.3	19·2	19·2	19·1	19·1	19·1	3 41	**16·0**	9 50	20·9	4†
19·1	19·1	19·2	19·3	19·1	19·0	19·0	19·0	19·0	19·0	4 16	16·8	11 38	20·0	5
19·1	19·1	19·0	19·0	19·0	19·1	19·1	19·1	19·4	19·1	4 50	17·9	10 6	19·8	6†
19·0	19·1	19·1	19·2	19·2	19·2	19·3	19·2	19·5	19·3	5 24	18·0	2 4	20·8	7†
18·9	18·8	18·8	18·5	18·9	19·1	19·1	19·3	19·6	19·1	18 8	18·0	1 58	20·4	8††
18·6	18·4	18·6	18·6	18·9	18·9	19·1	19·3	20·0	19·1	10 43	17·9	0 2	20.7	9
18·6	18·7	18·7	18·7	18·9	18·9	19·1	19·1	19·4	**18·9**	10 16	17·6	0 10	20·5	10
18·7	19·2	19·2	19·1	19·1	19·1	19·1	19·2	19·4	19·1	5 4	17·6	7 14	20·5	11
18·9	19·1	19·2	19·1	19·3	19·6	19·3	19·5	19·6	19·5	14 22	18·1	6 54	21·0	12
18·5	19·0	19·3	19·2	19·5	19·4	19·4	19·4	19·5	19·2	11 20	17·7	2 16	20·7	13
19·0	19·1	19.2	19·1	19·1	19·2	19·2	19·6	19·8	19·4	11 30	18·4	7 30	20·9	14
19·1	19·4	19.4	19·4	19·3	19·3	19·3	19·5	19·6	19·3	5 10	18·1	2 26	20·5	15
19·1	19·2	19.4	19·4	19·4	19·5	19·5	19·7	19·9	19·5	9 24	18·5	7 14	20·6	16†
19·0	19·2	19·3	19·3	19·4	19·5	19·6	19·7	19·8	19·6	14 46	18·9	2 0	20·5	17
19·2	19·3	19·0	18·3	18·7	18·5	18.7	19·0	18·7	19·2	18 2	18·0	1 0	20·5	18††
19·3	19·4	19·4	19·3	19·3	19·2	19·1	19·3	19·6	19·5	10 22	18·4	6 50	20·5	19
19·5	19·6	19·5	19·2	19·1	19·1	19·2	18·9	19·3	**19·3**	5 0	17·6	7 56	20·4	20
19·5	19·4	19.2	19·1	19·2	19·3	19·3	18·8	18·9	19·6	11 4	18·6	6 46	20·6	21
19·4	19·5	19·3	19·1	19·1	19·0	19.2	18·8	19·3	19·4	4 16	18·5	6 46	21·0	22
19·3	19·4	19.5	19·5	19·4	19·3	19·2	19·3	19·2	**19·8**	11 0	19·1	6 50	21.5	23
19·6	19·5	19·7	18·9	18·3	17·7	17·7	17·3	17·5	19·1	21 38	16·9	2 50	20·4	24††
19·2	18·8	18·8	18·7	18·8	18·7	18·8	19·1	18·9	19·3	0 8	17·6	7 10	21·0	25††
19·0	19·2	19·7	19·3	19·1	19·0	18·9	18·5	19·0	19·4	21 42	17·9	7 20	21·5	26††
19·7	19·7	19·3	19·3	19·3	19·1	19·2	19.1	19·0	19·7	10 40	18·7	6 6	22·2	27
19·3	19·4	19·3	19·4	19·4	19·0	19·0	19·0	19·1	19·0	11 10	17·8	7 26	20·8	28
19·3	19·5	19·1	19·4	19·3	19·2	19·2	19·2	19·1	19·6	11 0	17·8	7 38	22·3	29
18·9	19·2	19·3	19·3	19·2	19·1	19·1	18·6	18·3	18·9	3 40	17·5	7 30	21·9	30
19·2	19·2	19·4	19·3	19·2	19·3	19·3	18·9	19 4	19·4	4 24	18·2	7 6	**22·4**	31
19·1	19·2	19·2	19·1	19·1	19·1	19·1	19·1	19·2	19·3					Mean.
19·0	19·1	19·2	19·2	19·2	19·2	19·2	19·1	19·3	19·3					Mean†
19·2	19·1	19·2	18·7	18·8	**18·6**	18·7	18·7	18·8	19·2					Mean.††

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19·4	19·5	19·3	19·3	19·2	19·1	19·4	19·1	19·3	19·5	4 14	17·6	6 42	22·1	1†
19·2	19·1	19·2	19·2	18·9	18·3	18·5	18·4	18·4	19·3	20 0	18·1	7 4	21·0	2
19·5	19·4	19·5	19·3	19·1	19·3	19·4	19·5	19·8	19·3	10 14	18·2	7 18	20·9	3
19·3	19·1	19·1	18·8	19·1	19·2	19·3	19.5	19·9	19·1	8 50	17·2	1 21	20·3	4
19·1	19·5	19·4	19·6	19·6	19·6	19·6	19·8	20·1	**19·8**	11 10	17·9	6 50	21·8	5†
19·5	19·7	19·6	19·4	19·5	19·5	19·5	19·5	19·6	19·5	10 30	17·3	0 28	20·4	6
19·5	19·5	19·7	19·7	19·7	19·6	19·6	19·8	19·9	19·7	11 0	18·0	3 46	20·5	7†
19·5	19.5	19·7	19·6	19·5	19·5	19·5	19·5	19·5	19·3	20 30	17·9	1 0	20·1	8
18·7	18·9	19·2	19·5	19·6	19·5	19·4	19·4	19·5	19·4	11 50	17·9	7 50	20·9	9
19.0	18·5	19·2	19·0	19·2	19·3	19·2	19·3	19·2	19·2	10 42	17·1	6 2	21·3	10
19·1	19·3	19·3	19·2	19·3	19·3	19·4	19·4	19·6	19·6	10 46	18·4	6 2	20·9	11
19·2	19·4	19·5	19·4	19·5	19·4	19·5	19·4	19·5	19·3	11 14	17·3	7 20	21·3	12
19·3	19·6	19·7	19·7	19·7	19·7	19·7	19·7	19·8	19·8	11 10	18·1	6 34	21·6	13†
19·7	19·6	19·3	19·3	19·2	19·3	19·1	18·7	18·7	19·4	10 50	17·2	6 48	21·2	14
19·4	19·4	19·5	19·5	19·5	19·5	19·6	19·3	19·4	19·3	10 30	17·9	6 30	20·7	15
18·0	18·5	19·0	18·7	18.6	18·2	17·7	18·2	18·9	**18·5**	11 42	**14·3**	0 26	20·3	16††
19·4	18·8	18·8	18·4	18·7	18·0	18·3	18·6	18·3	19·2	19 37	17·9	6 48	21·3	17††
18·8	18·9	18·8	18·6	18·8	18·7	18·9	18·9	19·1	18·9	11 34	18·2	7 0	20·0	18
18·8	19·1	18·5	18·5	18·5	17·8	18·5	17·8	18·2	18·9	22 10	17 4	7 26	21·3	19††
19·1	18·9	19·1	19·0	18·9	18·8	18·5	18·7	18·4	19·1	0 56	18·1	6 46	20·7	20
19·5	19·2	19·1	18·7	18·8	18·7	18·2	18·3	18·0	18·9	10 54	17·5	7 10	20·8	21††
18·5	18·7	19·0	19·0	18·9	18·8	18·7	19·0	18·6	19·1	1 8	17·5	7 10	22·0	22††
18·8	18·9	18·8	18·7	18·9	18·6	18·7	18·5	18·5	19·1	13 58	17·9	6 10	21·6	23
18·9	19·2	19·0	18·9	18·8	18·7	18·7	18·8	18·8	18·8	2 30	17·9	6 34	20·3	24
19·2	19·2	19·0	19·0	18·8	18·3	17·9	18·3	18·6	19·2	2 8	17·7	7 14	**22·4**	25
19·1	18·8	18·8	18·3	18·3	18·3	17·8	17·9	18·0	19·0	20 36	17·7	7 54	21·3	26
19·1	19·0	19·0	18·7	18·8	18·9	18·9	18·8	18·6	18·8	1 24	17·5	7 10	19·8	27
19·2	19·3	19·3	19·2	19·3	19·2	19·2	19·1	19·2	19·2	3 10	17·4	7 30	20·9	28†
19·3	19·3	19·3	19·2	18·9	19·0	19·0	19·0	19·1	19·5	22 40	18·7	8 54	20·9	29
19·1	19·2	19.2	19·1	19·1	19·0	19·0	19·0	19·1	19·2					Mean.
19·3	19·5	19·4	19·4	19·4	19·3	19·4	19·4	19·5	19·6					Mean†
18·9	18·9	19·0	18·7	18·8	18·4	18·4	18·5	18·5	18·9					Mean††

* The daily mean values of declination derived from 24 hourly values have been corrected for progressive change by adding 1/48th of the difference between the values at the terminal and initial hours.

†Five international quiet days.

††Five international disturbed days.

DECLINATION (WESTERLY), 1936.

(Averages for sixty minutes centred at the full hours of Greenwich mean time.)

MARCH. 0° PLUS TABULAR QUANTITIES.

Date.	Hours. (G. M. T.)														
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14
	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′
1	19·3	19·3	19·1	18·5	17·8	17·8	18·3	19·2	19·9	19·9	19·5	19·2	19·3	19·6	19·6
2	19·4	19·3	19·1	18·4	18·3	18·9	19·6	20·2	20·5	20·6	20·2	19·6	19·5	19·7	19·7
3†	19·7	19·7	19·6	18·8	18·4	18·7	19·0	19·3	19·3	19·3	19·1	18·8	19·0	19·3	19·5
4†	19·3	19·3	19·5	19·0	18·8	18·9	19·3	20·1	20·2	20·4	19·9	18·9	19·3	19·5	19·7
5	19·8	19·7	19·8	19·3	18·4	18·3	19·5	20·5	21·2	20·5	20·0	19·1	18·7	19·0	19·3
6	20·0	19·8	19·5	18·6	18·0	17·9	18·4	19·6	20·7	20·3	19·6	19·1	18·8	19·3	19·6
7†	19·3	19·3	19·2	18·9	19·1	19·0	18·8	19·0	19·3	19·6	20·1	19·9	19·3	19·3	19·3
8	19·9	19·9	19·7	18·8	18·3	18·2	18·5	19·0	19·7	20·1	19·5	18·9	18·7	19·5	19·7
9	19·5	19·5	19·1	18·4	18·3	18·6	18·9	19·2	20·0	20·5	19·7	19·1	18·4	18·7	15·5
10	19·5	19·4	19·3	18·9	18·9	18·9	19·1	19·5	20·1	20·5	19·1	18·5	18·3	19·0	19·5
11†	19·7	19·7	19·1	18·0	17·4	18·2	19·7	21·3	21·5	20·2	20·1	19·1	18·7	19·2	19·8
12†	19·7	19·5	19·2	18·1	17·7	17·8	18·4	19·9	21·0	21·2	20·7	20·0	19·5	19·3	19·3
13	19·9	19·8	19·7	18·9	18·2	18·1	18·1	18·3	19·3	20·1	20·5	20·1	19·8	19·8	19·8
14	19·9	19·9	19·8	19·0	18·3	18·2	18·7	19·6	20·5	20·9	20·8	20·1	19·5	19·7	19·6
15	19·4	19·4	19·1	18·1	17·8	18·3	18·9	19·6	20·3	20·3	19·6	19·0	18·9	19·1	19·4
16	20·0	19·8	19·3	18·8	18·3	17·7	18·1	18·5	19·6	20·1	19·5	19·0	18·9	19·2	19·4
17	18·8	18·9	18·8	18·1	17·1	16·7	17·4	18·8	20·2	20·4	19·6	18·8	18·5	19·2	19·5
18	19·4	19·3	18·6	18·2	18·2	18·3	19·1	20·8	21·7	21·3	20·6	19·4	19·1	19·5	19·7
19	19·5	19·2	18·6	17·6	16·9	17·0	18·1	19·7	20·7	21·1	20·0	19·2	19·1	19·5	19·5
20††	19·3	19·4	18·9	18·0	18·1	18·0	18·5	19·9	21·3	21·3	20·2	19·6	19·5	19·5	19·7
21††	18·8	19·1	18·5	17·6	17·1	18·0	19·1	20·0	20·5	21·1	20·3	19·0	19·0	19·3	19·6
22	18·9	18·9	19·1	18·5	18·3	17·9	18·4	19·7	21·3	21·1	20·2	19·8	19·6	19·4	19·6
23††	19·6	19·3	17·8	17·2	17·5	17·6	18·4	19·6	20·5	20·3	19·7	19·1	18·5	19·1	19·5
24††	18·7	18·3	18·2	17·1	17·3	18·1	18·6	20·2	21·5	**22·3**	20·7	20·0	19·7	19·6	18·7
25††	19·2	18·9	17·3	17.3	17·1	16·9	18·0	20·3	21·9	22·3	20·9	20·2	19·5	19·3	19·2
26	19·1	19·1	18·3	17·4	16·9	16·9	17·6	19·6	21·2	21·6	20·3	19·1	18·6	19·0	19·6
27	19·3	19·1	18·1	17·5	17·4	17·2	17·6	19·2	21·0	21·5	20·7	19·8	19·3	19·4	19·4
28	19·2	19·1	18·5	17·6	17·1	17·6	18·5	19·9	21·2	21·6	20·9	19·8	19·4	19·5	19·6
29	19·7	19·7	19·0	17·7	16·3	**16·0**	16·8	18·9	20·5	20·3	19·7	18·9	19·0	19·3	19·4
30	18·8	18·5	17·7	17·1	17·1	17·6	19·1	20·6	21·1	21·0	19·9	19·2	19·6	19·9	19·7
31	19·3	19·1	18·2	17·3	17·1	17·7	18·6	19·9	20·9	20·9	20·0	19·8	20·0	20·0	20·0
Mean . ..	19·4	19·3	18·9	18·2	**17·8**	17·9	18·6	19·7	20·3	**20·8**	20·0	19·4	19·1	19·4	19·5
Mean† . .	19·6	19·6	19·4	18·6	**18·3**	18·6	19·1	20·0	20·3	**20·4**	20·0	19·3	19·1	19·3	19·5
Mean†† . .	19·0	18·9	18·1	**17·3**	17·3	17·6	18·5	20·0	21·1	**21·5**	20·3	19·5	19·2	19·4	19·3

APRIL.

1	19·7	19·6	18·5	17·8	17·8	18·3	19·2	20·3	21·4	21·5	20·9	20·1	20·3	20·5	19·9
2	19·7	19·3	18·7	18·3	18·1	18·3	18·8	20·1	21·3	22·0	21·1	20·0	19·6	19·7	19·6
3	19·3	18·6	17·1	16·8	17·8	18·6	20·2	22·3	23·1	22·7	21·6	20·3	20·1	20·0	20·1
4	20·0	19·1	17·2	16·2	16·2	16·7	18·2	19·6	20·3	20·1	19·5	19·1	19·1	19·5	19·5
5†	19·6	19·2	18·1	17·4	17·9	19·0	20·3	21·8	23·1	**23·3**	22·0	20·3	19·8	19·4	19·4
6†	19·5	19·1	17·9	16·4	15·6	15·7	17·5	19·5	20·0	19·5	19·0	19·0	19·7	20·1	20·1
7	19·6	19·5	18·5	17·9	18·2	19·1	20·7	22·0	22·5	22·0	21·0	20·1	19·8	19·7	19·8
8	19·8	19·6	18·8	18·2	17·7	18·1	19·3	20·7	21·5	21·6	20·9	20·0	19·8	19·7	20·2
9	20·0	19·6	18·2	17·2	17·5	18·1	19·6	21·4	22·0	21·7	21·1	20·3	19·9	19·4	19 8
10†	19·9	19·3	18·0	17·1	17·0	17·1	18·3	19·2	19·6	19·5	19·2	18·8	19·1	19·6	19·5
11	19·7	19·4	18·4	17·5	17·2	17·6	18·6	20·5	21·4	21·0	20·5	19·2	18·4	18·8	19 6
12	19·5	19·3	17·8	17·1	17·3	18·0	19·1	20·5	21·5	21·5	20·7	19·3	18·6	18·9	19 5
13	19·1	18·5	17·8	17·1	17·6	19·1	21·0	22·1	22·1	21·2	20·5	19·3	18·8	19·2	20·0
14	19·2	18·4	17·1	16·4	16·9	18·7	20·8	22·3	22·5	22·2	21·6	20·5	20·0	19·7	20·0
15	19·5	19·1	18·0	17·9	18·3	19·2	21·0	21·5	22·3	21·9	21·2	20·5	19·9	19·9	19·9
16	18·3	17·9	16·7	16·7	17·6	19·0	21·0	22·2	22·6	22·4	21·8	20·9	20·3	19·9	19·8
17	19·2	18·5	17·6	16·7	16·3	17·3	18·7	19·9	20·5	20·6	20·3	19·3	19·5	19.6	19·9
18††	18·8	18·4	17·7	17·3	17·6	18·3	19·3	20·2	20·5	20·7	21·2	20·9	20·0	19·4	19·5
19††	18·8	8·2	17·2	16·6	17·2	18·3	20·3	22·0	22·3	21·9	20·7	19·5	19·7	19·6	19·9
20††	17·8	18·2	16·3	16·4	16·9	18·5	20·1	21·4	21·8	21·3	20·2	19·4	18·9	18·7	18·4
21††	19·1	17·7	16·2	**15·3**	16·6	18·6	20·7	21·7	22·4	21·6	20·4	20·2	19·7	19·0	19·4
22††	17·7	18·1	16·8	16·0	17·6	19·1	21·1	22·3	22·7	22·0	20·9	20·1	19·1	19·2	19·5
23	19·2	18.9	17·6	16·6	16·9	18·0	19·9	22·2	22·5	21·7	20·5	19·0	18·5	18·7	19·0
24	19·2	18·7	17·9	17·4	17·5	18·8	20·3	22·1	22·8	22·3	21·1	19·9	19·4	19·3	19·3
25	19·0	18·9	17·8	17·5	18·1	19·3	20.8	21·8	21·5	21.1	20·5	19·6	19·2	19 2	19·6
26†	19·2	18·8	18·0	17·7	17·4	17·8	18·9	20·3	20 6	20 4	19·7	19·3	19·2	19·4	19·4
27	19·3	18·9	18·3	17·9	18·2	20·0	21·4	21·9	22·1	21·9	21·0	20·3	19·5	19·2	19·8
28	19·3	19·1	17·9	17·2	16·5	16·9	17·7	18·5	18·8	18·4	18·0	18·2	18·7	18·8	19·5
29†	19·4	19·2	18·2	17·6	17·7	19·2	21·2	22·7	22·7	21·9	21·0	20·0	19·4	19·3	19·7
30	19·7	19·2	17·9	17·3	18·0	19·5	21·0	22·5	22·7	21·4	20·4	20·0	19·3	19·5	20·0
Mean . .	19·3	18·9	17·7	**17·1**	17·4	18·3	19·8	21·2	**21·7**	21·4	20·6	19·8	19·5	19·4	19·7
Mean† . .	19·5	19·2	18·0	**17·3**	**17·1**	17·8	19·3	20·7	**21·2**	20·9	20·2	19·5	19·4	19·5	19·6
Mean†† . .	18·5	18·2	16·8	**16·3**	17·2	18·6	20·3	21·6	**22·0**	21·5	20·7	20·0	19·5	19·2	19·3

†Five international quiet days.
††Five international disturbed days.

DECLINATION (WESTERLY), 1936.

(Averages for sixty minutes centred at the full hours of Greenwich mean time.)

MARCH. 0° PLUS TABULAR QUANTITIES.

Hours (G. M. T.).									Mean.*	Maximum.		Minimum.		Date.
15	16	17	18	19	20	21	22	23		Time.	Mag.	Time.	Mag.	
′	′	′	′	′	′	′	′	′	′	H. M.	′	H. M.	′	
19·4	19·2	19·3	19·2	19·2	19·2	19·2	19·2	19·3	19·2	4 22	17·6	7 52	20·2	1
19·1	19·5	19·7	19·5	19·5	19·3	19·3	19·4	19·5	19·5	3 24	18·1	8 30	20·8	2
19·5	19·5	19·5	19·5	19·2	19·2	19·2	19·3	19·3	19·2	4 8	18·2	1 24	19·9	3†
19·7	19·7	19·7	19·7	19·6	19·5	19·5	19·6	19·7	19·6	4 10	18·7	9 6	20·5	4†
19·3	19·4	19·3	19·3	19·3	19·3	19·4	19·5	19·7	19·5	4 42	18·2	8 0	21·4	5
19·5	19·3	19·7	19·7	19·5	19·6	19·3	19·3	19·2	19·3	4 4	17·8	8 0	20·9	6
19·3	19·5	19·4	19·3	19·3	19·3	19·3	19·4	19·6	19·3	6 22	18·6	10 6	20·2	7†
19·0	18·9	19·2	19·2	19·1	19·2	19·4	19·7	19·5	19·2	5 0	18·1	8 54	20·4	8
19·5	19·5	19·3	19·2	19·0	19·1	19·3	19·3	19·4	19·2	12 26	18·0	8 58	20·7	9
19·5	19·5	19·7	19·7	19·7	19·7	19·7	19·7	19.7	19·4	11 34	18·0	8 56	20·7	10
19·9	19·9	20·0	19·7	19·6	19·5	19·5	19·5	19·7	19·6	3 56	17·3	7 50	21·7	11†
19·4	19·7	19·9	19·7	19·7	19·7	19·7	19·8	19·9	19·5	4 38	17·5	8 54	21·4	12†
19·7	19·8	19·8	19·6	19·5	19·3	19·5	19·7	19·8	19·5	4 34	18·0	9 50	20·8	13
19·6	19·5	19·4	19·1	19·3	19·4	19·5	19·5	19·6	19·5	4 30	18·0	9 22	21·1	14
19·4	19·3	19·2	19·1	19·1	19·3	19·4	19·7	19·9	19·2	3 42	17·7	8 46	20·6	15
19·3	19·4	19·4	19·1	19·0	18·9	18·8	18·6	18·7	19·0	5 36	17·5	8 46	20·2	16
19·3	19·3	19·1	19·3	19·1	19·1	19·3	19·3	19·2	18·9	5 14	16·3	8 30	20·5	17
19·5	19·3	19·3	19·2	18·8	18·7	18·9	19·2	19·5	19·4	2 36	18·1	8 0	21·8	18
19·7	19·7	19·5	19·3	19·1	19·1	19·0	19·1	19·1	19·1	4 40	16·7	8 34	21·4	19
19·7	19·5	19·0	19·0	18·9	18·8	18·9	19·1	19·1	19.3	3 24	17·5	8 10	21·5	20††
19·6	19·5	19·0	19·1	19·0	18·9	19·1	19·1	19.0	19·1	4 2	17·0	8 36	21·3	21††
19·7	19·4	19·7	19·5	18·9	19·4	19·8	19·7	19·7	19·4	5 26	17·6	8 7	21·7	22
19·4	19·1	18·6	18·4	18·9	18·9	18·9	19·1	19.1	18·9	2 56	17·1	8 10	20·8	23††
19·3	19·5	19·4	19·1	19·0	18·9	18·9	19·1	19·4	19·2	3 20	16·9	8 45	22·7	24††
19·3	19·4	19·4	19·3	19·3	19·0	19·0	18·9	19·2	19·2	2 20	16·7	8 30	22·5	25††
19·6	19·5	19·6	19·4	19·4	19·4	19·1	19.3	19·1	19·1	3 44	16·8	8 56	21·7	26
19·2	19·3	18·9	18·5	18·6	19·3	19·1	19·1	19·2	19·1	5 20	17·1	8 52	21·7	27
19·6	19·5	19·6	19·5	19·1	19·1	19·3	19·1	12·5	19·3	3 49	17·1	9 12	21·8	28
19·3	19·4	19·3	19·1	18·9	18·8	18·9	18·9	18·9	18·9	4 50	15·8	8 30	20·8	29
19·7	19·6	19·5	19·3	19·1	19·1	19·1	19·2	19·3	19·2	3 28	17·0	8 14	21·2	30
19·5	19·5	19·7	19·7	19·6	19.5	19·4	19·5	19·6	19·4	3 37	17·0	8 26	21·3	31
19·5	19·5	19·4	19·3	19·2	19·2	19·3	19·3	19·4	19.3					Mean.
19·5	19·6	19·7	19·5	19·4	19·4	19·4	19·5	19·5	19.5					Mean†
19·5	19·4	19·1	19·0	19·1	18·9	19·0	19·1	19·3	19.2					Mean††

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19·0	18·8	18·3	18·3	18·1	18·5	19·0	19·2	19·8	19·4	3 34	17·5	8 34	22·1	1
19·3	19·1	19·2	19·4	19·4	19·3	19·5	19·6	19·5	19·5	4 6	17·7	9 0	22·2	2
20·0	19·0	18·8	18·8	18·1	18·2	19·0	19·2	19·3	19·5	3 14	16·5	8 26	23·3	3
19·7	19·6	19·5	19·4	19·3	19·2	19·2	19·3	19·5	18·9	3 46	16·0	8 10	20·4	4
19·5	19·6	19·3	19·0	19·0	19·1	19·2	19·3	19·7	19·8	3 6	17·3	8 50	24·1	5†
20·1	19·8	19·6	19·5	19·4	19·3	19·3	19·5	19·6	18·9	4 38	15·4	7 30	20·3	6†
19·6	19·7	19·6	19·4	19·3	19·3	19·5	19·5	19·6	19·8	3 18	17·7	7 50	22·6	7
20·0	19·8	19.5	19·3	19·2	19·5	19·5	19·6	19·7	19·7	4 12	17·5	8 30	21·7	8
19.9	19·9	19·8	19·6	19·6	19·3	19·5	19·6	19·8	19·7	3 30	17·0	7 54	22·3	9
19·5	19·6	19·6	19·5	19·4	19·5	19·5	19·5	19·6	19·1	4 20	16·8	0 0	19·9	10†
19·8	20·0	19·8	19·8	19·7	19·5	19·3	19·5	19·5	19·4	3 44	17·1	7 50	21·8	11
19·2	19·6	19·7	19·4	19·1	19·3	19·1	19·1	19·1	19·2	3 0	17·1	8 16	21·7	12
20·3	20·3	19.9	19·5	19·4	19·1	19·1	19·1	19·2	19·5	3 14	16·9	7 30	22·6	13
20·1	20·0	19·9	19·4	19·3	19·2	18·7	19·0	19·4	19·7	3 20	16·2	7 24	22·9	14
20·0	19·4	18·9	18·7	18·9	18·8	18·6	19·0	18.6	19·6	2 22	17·7	7 54	22·4	15
20·1	19·8	19·5	19·5	19·5	19·3	19·1	19·2	19·4	19·7	2 6	16·5	7 38	22·7	16
20·0	19·8	19·3	19·2	19·1	18·7	18·4	18·3	18·8	19·0	3 46	16·0	8 32	20·8	17
19·6	19·2	18·6	18·3	18·0	18·6	18·5	18·7	18·8	19·1	3 30	17·2	9 46	21·4	18††
19·4	19·7	18·5	19·0	19·1	19·0	18·5	18·4	17·7	19·2	2 54	16·5	8 12	22·6	19††
19·0	19·7	19·3	18·8	18·2	18·1	18·2	18·7	18·6	18·9	2 24	15·7	7 46	22·2	20††
19·6	19·9	19·7	19·0	18·8	19·0	18·6	18·4	18·5	19·1	3 0	15·2	8 0	22·8	21††
19·4	19·5	19·7	19·6	19·3	19·6	19·3	19·3	19·4	19·5	2 44	15·7	7 30	22·9	22††
18·9	19·1	18·7	19·1	19·3	19·2	19·4	19·0	19·1	19·2	3 14	16·4	7 42	23·1	23
19·5	19·5	19 3	19·2	19·3	19·3	19·3	19·2	19·1	19·6	3 22	17·2	8 8	22·8	24
19 8	19·3	19·5	19·4	19·3	19·2	19·1	19·2	19·2	19·5	2 58	17·4	6 54	21·9	25
19.5	19·7	19·7	19·5	19·4	19·4	19·4	19·4	19·4	19·2	3 58	17·3	8 30	20·8	26†
20·2	20·2	20·1	19·8	19 5	19·5	19·2	19·3	19·2	19·9	3 14	17·8	7 50	22·2	27
19·5	19·3	19·1	18·6	18·7	19·1	19·1	19·1	19·3	18·6	4 20	16·3	14 46	19·7	28
19·9	19·9	19·8	19·7	19·6	19·7	19·8	19·8	19·9	19.9	3 18	17·5	7 50	22·9	29†
20·0	20·0	19·8	19·6	19·4	19·5	19·6	19·7	20·0	19·8	3 14	17·2	7 39	23·0	30
19·7	19·7	19·4	19·2	19·1	19·1	19·1	19·2	19·3	19.4					Mean.
19·7	19·7	19·6	19·4	19·3	19·5	19·4	19·5	18·6	19.4					Mean†.
19·4	19·6	19·1	18·9	18·7	18·8	18·6	18·7	18·6	19.2					Mean††.

*See footnote on page B-7.
†Five international quiet days.
††Five international disturbed days.

DECLINATION (WESTERLY), 1936.

(Averages for sixty minutes centred at the full hours of Greenwich mean time.)

MAY. 0° PLUS TABULAR QUANTITIES.

Date.	Hours (G. M. T.)														
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14
	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′
1	20·3	20·1	19·1	19·0	18·9	19·3	20·5	21·4	21·8	20·9	20·0	19·8	19·5	19·6	20·0
2	19·6	18·9	17·6	18·0	19·7	21·3	22·3	22·5	22·3	21·4	20·5	19·8	19·5	19·5	19·7
3	19·3	18·2	17·2	18·3	20·1	21·5	23·1	23·8	23·1	21·9	20·9	20·3	19·6	19·8	20·4
4	19·3	18·4	17·2	16·9	18·2	20·5	21·8	22·7	22·7	22·4	21·7	20·7	19·7	18·8	18·6
5	19·3	18·2	17·2	16·6	18·0	20·9	23·4	24·7	24·6	23·4	22·0	20·5	19·3	19·3	19·8
6	19·7	18·5	16·6	15·8	16·6	17·9	20·0	21·0	21·0	20·3	19·6	19·0	18·6	19·1	19·7
7†	19·6	18·6	17·2	16·9	18·4	20·2	21·3	22·7	23·5	22·5	21·2	20·0	19·0	18·8	19·7
8†	19·2	18·3	17·2	17·3	17·9	19·3	21·1	22·6	22·8	22·1	20·6	19·8	19·5	19·4	19·6
9†	19·2	18·0	16·6	16·7	18·0	20·2	21·7	22·3	22·0	21·2	20·3	19·9	19·6	19·6	20·0
10	19·4	18·0	16·7	16·6	17·7	20·2	22·1	22·8	22·6	21·8	20·8	19·7	19·4	19·8	20·7
11††	18·3	16·9	15·4	15·6	17·3	19·7	22·3	24·0	24·3	23·2	22·1	21·6	20·7	20.4	21·0
12††	18·7	18·2	16·9	16·1	17·2	18·9	21·2	23·0	23·2	22·5	21·9	21.0	20·3	19.7	20·0
13	18·4	17·8	16·6	16·2	17·0	18·2	20·1	21·9	22·5	22·3	21·6	20·9	20·0	19·4	19·6
14	19·1	18·5	17·4	17·1	17·8	18·9	20·7	22·2	22·7	22·2	21·5	20·9	20·3	19·7	19·7
15	18·7	17·3	16·7	16·5	16·8	18·8	20·5	21·7	22·1	21·3	20.4	19·7	19·3	19·4	19·8
16	19·0	18·4	17·1	17·3	18·1	19·4	20·9	22·0	22·6	22·0	21·4	20·5	20·0	19·1	18·8
17	19·0	17·5	16·1	16·1	17·2	19·4	21·0	22·7	23·3	22·7	21·5	20·7	20·2	20·0	20·0
18††	18·7	18·5	17·6	16·8	17·0	18·7	19·7	20·6	21·9	22·3	21·2	20·1	19·6	19·6	19·8
19††	19·0	17·8	17·2	16·9	17·7	19·0	20·6	21·5	22·0	21·2	20·3	19·4	19·0	19·0	19·6
20	19·1	18·1	16·9	16·9	17·4	19·9	22·1	23·1	23·0	21·7	20·6	20·1	19·7	19·5	19·6
21	19·0	17·9	16·7	16·8	17·8	19·6	21·1	22·4	23·2	22·9	22·3	21·1	20·1	19·6	20·0
22	19·2	18·9	17·6	16·8	17·3	19·9	21·5	22·3	23·0	22·9	22·0	20·9	19.8	19·6	19·5
23†	19·8	18·9	17·0	16·4	17·1	19·0	21·0	22·7	23·5	23·5	22·7	21·0	19·7	18·7	19·3
24†	19·2	18·0	16·5	16.3	17·2	19·4	20·6	21·7	22·6	22·6	22·1	20·9	19·8	19·1	19·4
25	19·5	18·9	17·8	17·1	17·2	18·3	20·1	21·9	22·5	22·5	22·1	21·0	20·1	19·9	20·1
26	19·1	18·7	17·2	16·2	16·8	18·1	19·9	21·3	22·1	22·1	21·9	20·9	19·8	19·2	19·8
27	19·0	17·9	17·0	16·6	17·2	19·3	21.2	23·2	23·5	23·7	21·5	20·3	19·6	19·5	20·3
28	20·0	19·7	18·7	18·3	19·0	20·5	21·6	22·4	22·6	22·3	21·5	20·9	19·4	19·9	20·3
29††	19·7	18·6	17·0	16·4	16.9	19·3	21·9	24·0	24·3	23·5	22·1	21·3	19·6	19·3	19·4
30	19·1	17·7	17·2	17·5	18·1	18.7	20·7	22·3	22·7	22·3	21·2	19·7	19·5	19·5	20·1
31	19·0	18·3	17·6	17·5	18·3	19·7	21·2	22·1	22·1	21·4	20·7	19·5	19·0	18·9	19·3
Mean . .	19·2	18·3	17·1	16·9	17·7	19·5	21·2	22·4	22·8	22·2	21·3	20·4	19·6	19·4	19·8
Mean† . .	19·4	18·3	16·8	16·6	17·7	19·6	21·1	22·4	22.9	22·4	21·4	20·3	19·5	19·1	19·6
Mean†† . .	18·9	18·0	16·8	16·3	17·2	19·1	21·1	22·7	23.2	22·5	21·5	20·7	19·8	19·5	20·0

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1††	19·6	18·7	17·8	17·8	18·9	20·2	21·7	22·5	22·3	21·2	19·4	18·4	18·5	19·1	19·8
2††	18·8	17·7	16·6	16·2	17·0	18·4	20·6	22·0	22·1	21·2	20·7	20·4	20·2	19·9	20·3
3	19·8	18·4	16·7	16·2	17·4	19·6	21·1	22·3	22·4	21·9	21·4	20·6	19·4	19·3	20·1
4	19·5	18·3	16·9	16·4	16·8	19·3	21·0	22·4	22·8	22·7	22·6	21·8	20·9	20·2	20·1
5†	19·8	18·9	17·5	16·8	17·5	18·7	20·5	21·8	22·1	21·9	21·2	20·4	20·3	19·9	20·1
6†	19·6	18·2	16·8	16·2	17·4	19·0	20·3	21·6	22·3	22·5	22·3	20·8	20·1	19·9	20·4
7	20·0	19·3	18·3	17·9	18·5	20·2	22·4	23·9	24·1	23·5	22·8	21·4	20·6	20·5	21·0
8	19·8	18·8	17·7	16·9	16·9	18·4	20·3	21·5	22·4	22·8	22·9	22·2	20·8	20·1	20·2
9††	19·8	18·9	17·3	16·7	16·8	18·0	20·8	22·4	23·4	22·2	22·1	21·5	21·5	22·2	20·3
10††	19·3	18·3	17·1	16·5	17·4	19·0	20·5	21·7	22·5	22·7	22·0	22·0	21·5	20·7	20·8
11	19·2	18·5	17·7	16·9	17·1	17·5	19·0	21·1	22·5	22.8	22·6	21·9	20·9	20·2	20·2
12	19·6	19·2	17·8	16·4	16·6	17·7	19·2	20·3	21·6	22·0	21·8	20·7	20·0	19·8	20·0
13	19·4	18·5	17·3	17·6	18·8	19·6	20·7	21·6	21·7	21·6	21·6	21·4	20·7	20·5	20·2
14	19·0	18·5	18·0	18·0	18·9	20·7	22·3	23·6	23·4	22·5	21·1	20·6	20·7	20·3	20·3
15	19·9	19·0	17·8	17·9	18·3	19·0	20·5	22·2	22·7	22·4	21·3	20·3	20·0	19·8	20·0
16	19·0	18·0	17·2	17·3	17·6	19·9	21·0	21·8	21·7	21·1	20·8	20·3	19·5	19.5	19·7
17	18·3	17·3	16·8	17·1	18·5	20·3	21·9	23·2	23·3	22·2	21·3	20·3	19·9	19·9	20·2
18	19·3	18·2	17·3	17·1	18·1	19·9	22·0	23·7	24·5	24·0	23·1	21·8	20·8	20.5	20·7
19††	18·7	18·2	15·9	14·2	15·0	17·2	18·6	21·2	22·1	21·5	21·0	20·0	19·5	19·8	20·6
20	17·6	16·3	15·8	16·1	17·3	19·3	21·0	22·8	23·1	23·0	22·3	21·4	20·6	19·9	20·2
21	19·0	18·1	17·0	16·7	17·9	20·2	21·3	22·7	23·8	23·9	22·8	21·6	20·5	19·8	19·9
22	19·2	17·7	16·3	15·5	16·5	18·2	20·3	21·5	22·4	22·7	21·9	21·0	20·2	19·8	19·8
23†	19·2	18·4	17·3	16·4	16·6	17·9	20·2	21·7	21·6	22·0	21·7	21·4	20·7	19·5	19·7
24	19·3	18·3	17·0	16·3	16·7	18·7	20·4	21·5	22·9	23·5	23·1	21·9	21·0	20·3	20·3
25	19·7	18·5	17·1	16·8	17·3	18·8	19·5	20·3	21·3	22·6	22·7	21·9	20·3	19·7	19·7
26	19·5	18·5	17·2	17·4	18·1	19·4	20·8	21·7	22·4	22·2	21·6	21·0	20·3	20·0	20·1
27	18·9	18·6	17·8	17·3	17·5	19·0	21·3	22·4	22·6	22·1	21·8	21·6	20·6	19·6	19·7
28	19·1	18·7	17·6	16·8	17·5	19·7	21·1	22·1	22·6	22·8	22·8	22·3	21·3	20·2	20·3
29†	19·1	18·0	16·9	16·9	17·6	19·3	20·8	21·5	21·2	21·1	20·9	20·7	20·7	20·5	20·7
30†	19·2	17·9	17·6	18·1	18·9	20·3	21·1	21·8	22·1	22·0	21·9	21·1	21·0	20·9	20·7
Mean . .	19·3	18·3	17·2	16·8	17·5	19·1	20·7	22·0	22·5	22·4	21·9	21·1	20·4	20·1	20·2
Mean† . .	19·4	18·3	17·2	16·8	17·6	19·0	20·6	21·7	21·9	21·9	21·6	20·9	20·5	20·1	20·3
Mean†† . .	19·1	18·2	16·8	16·1	16·9	18·4	20·4	21·9	22·3	21·7	21·0	20·4	25·2	20·3	20·4

†Five international quiet days.

†† Five international disturbed days.

(Averages for sixty minutes centred at the full hours of Greenwich mean time.)

MAY. 0° PLUS TABULAR QUANTITIES.

Hours (G. M. T.).									Mean.*	Maximum.		Minimum.		Date.
15	16	17	18	19	20	21	22	23		Time.	Mag.	Time.	Mag.	
′	′	′	′	′	′	′	′	′	′	H. M.	′	H. M.	′	
20·2	20·0	19·9	19·7	19·4	19·4	19·7	19·8	19·9	19·9	3 46	18·7	7 54	21·9	1
19·6	19·6	19·8	19·8	19·6	19·6	19·6	19·7	19·6	20·0	2 22	17·3	6 44	22·8	2
20·5	20·4	20·2	19·9	19·5	19·5	19·3	19·5	19·7	20·2	2 06	17·1	6 54	23·9	3
18·4	19·4	19·4	19·3	19·5	19·6	20·1	19·6	19·8	19·8	2 32	16·3	7 26	23·1	4
19·8	19·2	19·1	19·4	19·7	19·7	19·8	19·9	19·9	20·2	2 58	16·3	7 32	**25·0**	5
19·6	19·7	19·6	19·5	19·5	19·5	19·7	19·7	19·9	**19·2**	2 55	15·7	7 18	21·3	6
19·9	19·9	19·8	19·7	19·5	19·4	19·6	19·6	19·5	19·8	2 42	16·5	8 02	23·6	7†
19·7	19·6	19·5	19·5	19·5	19·5	19·5	19·5	19·5	19·7	2 30	17·0	7 26	23·0	8†
20·1	20·0	20·0	20·0	19·8	19·7	19·7	19·6	19·7	19·7	2 30	16·4	7 16	22·4	9†
21·0	21·3	21·0	20·0	19·5	18·8	18·5	18·5	18·3	19·8	2 34	16·3	7 14	23·0	10
21·0	20·9	20·6	20·1	19·7	19·5	19·1	19·0	18·9	20·1	2 26	**15·1**	7 53	24·8	11††
19·6	19·5	19·3	19·3	19·1	18·4	18·6	18·5	18·4	19·5	2 39	16·0	7 58	23·7	12††
19·7	19·7	19·3	19·3	19·4	19·2	19·1	19·3	19·1	19·5	2 58	15·9	7 57	22·7	13
19·3	18·9	18·9	18·9	19·1	19·3	18·9	18·8	18·8	19·6	2 54	17·0	8 06	22·7	14
20·0	20·0	19·9	19·5	19·3	19·1	19·1	18·8	18·9	19·3	2 54	16·4	7 34	22·2	15
19·5	19·6	19·3	18·8	18·7	18·9	19·1	19·1	19·1	19·5	2 04	16·9	8 08	22·7	16
19·9	19·8	19·5	19·3	19·0	19·1	19·1	18·9	18·9	19·6	2 08	15·5	8 00	23·4	17
19·9	19·7	19·6	19·5	19·4	19·3	19·1	18·7	19·2	19·4	3 42	16·6	8 40	22·5	18††
19·7	19·5	19·4	19·4	19·4	19·2	19·1	19·2	19·4	19·3	2 54	16·6	8 02	22·3	19††
19·5	19·2	19·5	19·2	18·9	18·8	19·1	19·2	19·3	19·6	2 14	16·6	7 26	23·4	20
20·0	19·9	19·7	19·6	19·3	19·2	19·4	19·5	19·3	19·8	2 18	16·4	8 06	23·3	21
19·5	19·6	19·6	19·6	19·6	19·6	19·6	19·7	19·7	19·9	3 39	16·6	8 30	23·2	22
19·8	19·9	19·9	19·9	19·7	19·5	19·4	19·4	19·6	19·9	3 06	16·3	**8** 36	23·7	23††
20·0	19·8	19·5	19·6	19·6	19·5	19·5	19·5	19·5	19·7	2 42	16·0	8 16	22·8	24†
20·4	20·3	20·0	19·9	19·8	19·2	19·1	19·2	19·4	19·8	3 46	16·8	7 50	22·7	25
20·3	20·3	19·5	19·5	19·5	19·3	19·5	19·5	19·5	19·6	3 02	16·2	7 54	22·4	26
20·5	20·4	20·2	20·1	19·9	19·9	20·0	20·1	19·7	20·0	2 22	16·4	7 28	24·1	27
20·5	20·4	20·2	19·7	19·9	19·8	19·7	19·9	20·3	**20·3**	3 08	17·9	7 34	23·5	28
20·2	20·7	20·7	20·1	20·0	20·1	19·8	19·6	18·8	20·1	2 54	15·9	7 28	24·7	29††
20·5	20·3	20·3	20·5	20·4	20·3	19·6	19·6	19·5	19·9	2 14	16·9	7 54	23·3	30
19·7	19·8	19·9	20·0	19·8	19·5	19·7	19·8	19·9	19·7	2 48	16·5	7 36	22·3	31
19·9	19·9	19·8	19·6	19·5	19·4	19·4	19·4	19·4	19.8					Mean
19·9	19·9	19·8	19·8	19·7	19·5	19·6	19·6	19·6	19.8					Mean†
20·1	20·1	19·9	19·7	19·5	19·3	19·1	19·0	18·9	19.7					Mean††

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20·2	20·3	20·4	20·0	20·2	20·2	19·9	19·7	19·4	19·8	2 44	17·6	7 26	22·8	1††
20·6	20·9	20·5	20·0	19·1	18·5	18·7	18·7	19·3	19·5	2 50	16·1	8 12	22·3	2††
20·4	20·4	20·3	20·1	19·8	19·6	19·7	19·7	19·9	19·8	2 56	16·1	7 23	22·7	3
20·2	20·1	20·1	20·0	19·8	19·8	19·9	20·0	20·0	20·1	3 18	16·3	7 54	23·1	4
20·3	20·3	20·1	20·0	19·9	19·8	19·7	19·8	19·9	19·9	2 44	16·5	7 48	22·0	5†
20·7	20·3	20·1	20·1	20·0	19.9	19·9	19·8	20·0	19·9	3 02	16·1	9 10	22·7	6†
21·2	20·9	20·5	20·1	19·7	19·6	19·5	19·6	20·0	**20·6**	2 46	17·8	7 34	24·3	7
20·4	20·8	20·4	20.1	19·9	19·4	19·2	19·1	19·7	20·0	3 44	16·5	10 08	23·0	8
20·2	20·7	20·3	20·2	19·6	19·3	19.1	18·8	18·7	20·0	2 51	16·4	7 44	23·7	9††
20·6	20·3	19·9	19·6	19·6	19·8	19·3	19·2	19·1	20·0	2 32	16·4	8 36	22·9	10††
20·3	20·2	20·1	20·0	19·7	19·7	19.6	19·7	19·6	19·9	3 20	16·5	9 08	23·1	11
20·2	20·1	20·0	19·8	19·8	19·7	19·7	19·6	19·3	19·6	3 20	16·2	9 12	22·2	12
20·5	20·3	19·9	19·6	19·3	19·3	19·3	18·8	18·9	19·9	2 22	17·1	7 38	22·1	13
20·3	20·0	19·7	19·6	19·5	19·4	19·5	19·3	19·7	20·2	2 40	17·4	7 02	23·9	14
19·8	19·6	19·5	19·4	19·3	19·4	19·2	19·3	19·2	19·8	2 16	17·6	8 30	22·9	15
19·7	19·9	20·1	19·9	19·7	19·5	19·3	19·0	18·8	19·6	2 14	17·0	7 30	22·0	16
20·4	20·4	20·1	19·6	19·4	19·4	19·4	19·5	19·4	19·9	2 38	16·6	7 38	24·2	17
20·7	20·5	20·2	19·9	19·7	19·7	19·0	18·8	18·2	20·3	2 40	16·6	8 06	**24·8**	18
19·8	19·5	19·2	19·2	18·8	18·4	17·7	17·7	17·6	**18·8**	3 42	**13·7**	7 58	22·7	19††
20·3	19·9	19·6	19·5	19·2	19·2	19·1	19·1	19·2	19·7	2 23	15·4	8 10	23·3	20
20·0	19·9	19·8	19·5	19·5	19·5	19·5	19·5	19·5	20·1	2 50	16·6	8 38	24·1	21
19·9	19·8	19·5	19·7	19·7	19·8	19·7	19·7	19·5	19·6	3 10	15·4	9 02	22·9	22
20·0	20·0	19·6	19·5	19·5	19·5	19·5	19·3	19·3	19·6	2 58	16·3	8 56	22·3	23†
20·2	20·0	19·9	19·9	19·9	19·9	19·7	19·8	19·9	20·0	3 30	16·2	9 14	23·8	24
20·1	20·0	20·1	20·1	20·0	19·9	19·7	19·7	19·7	19·8	2 50	16·7	9 26	23·1	25
20·5	20·3	20·1	19·8	19·7	19·3	19·1	19·0	19·0	19·9	2 30	17·1	8 18	22·8	26
20·0	20·1	20·0	19·9	19·7	19·5	19·5	19·5	19·5	19·9	3 26	17·1	7 20	22·7	27
20·8	20·9	20·6	20·3	20·0	19·7	19·7	19·7	19·4	20·3	3 14	16·5	9 18	23·0	28
21·0	20·7	20·2	20·0	19·6	19·4	19·4	19·5	19·5	19·8	3 02	16·7	7 02	21·7	29†
20·6	20·4	20·3	20·1	19·8	19·2	19·0	18·9	19·0	20·1	1 52	17·5	7 36	22·4	30†
20·3	20·3	20·0	19·9	19·6	19·5	19·4	19·3	19·3	19·9					Mean
20·5	20·3	20·1	19·9	19·7	19·5	19·5	19·5	19·5	19·9					Mean†
20·3	20·4	20·1	19·9	19·6	19·3	19·0	19·0	18·9	19·6					Mean††

*See footnote on page B-7.
†Five international quiet days.
††Five international disturbed days.

DECLINATION (WESTERLY), 1936.

(Averages for sixty minutes centred at the full hours of Greenwich mean time.)

JULY. 0° PLUS TABULAR QUANTITIES.

Date.	Hours (G. M. T.).														
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14
	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′
1	18·8	18·0	17·7	18·2	19·2	20·8	22·2	22·3	22·0	21·8	21·4	20·6	19·8	19·9	20·4
2††	19·2	18·6	17·8	18·3	19·2	20·3	21·5	22·6	22·9	22·7	21·7	20·2	19·4	18·2	19·1
3	18·7	18·2	17·8	17·3	17·9	18·8	20·0	20·8	21·1	20·6	20·5	19·9	20·0	19·9	20·0
4	19·2	18·5	17·6	17·5	19·1	20·5	21·7	22·2	21·7	21·9	21·3	20·4	19·8	19·5	19·8
5	19·3	18·8	18·1	18·2	19·7	20·9	22·2	22·4	22·4	21·7	20·5	19·3	19·1	18·6	19·3
6††	19·3	18·0	17·0	17·1	18·1	19·4	20·7	21·5	21·0	20·6	19·9	19·4	19·8	18·8	20·0
7	18·3	17·2	16·1	16·0	17·0	19·4	22·0	23·3	23·2	22·6	22·1	20·9	20·2	19·3	19·6
8	19·0	18·3	17·3	16·8	17·8	19·7	21·3	22·7	23·0	22·5	21·9	21·1	20·6	19·9	20·3
9	19·6	18·8	17·7	17·5	18·0	19·7	21·7	22·7	22·6	22·8	22·4	21·7	21·0	20·3	20·0
10††	19·3	18·9	17·7	17·4	17·9	19·5	21·6	23·3	24·0	23·5	23·2	22·5	21·4	20·8	20·2
11††	19·2	17·9	16·0	16·5	17·3	18·9	20·9	22·1	22·3	22·7	23·1	23·0	21·9	20·9	20·7
12	18·9	17·2	15·9	16·1	17·2	18·9	20·6	21·8	22·0	22·0	21·6	21·0	20·7	20·6	20·7
13	18·9	18·5	17·7	17·0	17·6	19·5	20·9	22·1	21·9	21·5	20·8	20·3	20·0	19·7	19·5
14†	19·3	18·2	17·4	17·8	19·3	21·2	22·0	22·6	22·6	21·9	20·9	20·5	20·5	20·4	20·4
15†	19·4	18·4	17·5	17·4	18·0	19·6	21·3	22·4	22·6	21·9	21·2	20·5	20·7	20·3	20·3
16	19·4	18·3	16·7	16·2	17·8	19·3	21·1	21·7	22·0	22·0	22·1	22·1	21·9	21·2	20·7
17	19.2	18·6	17·3	16·9	17·7	19·5	21·6	23·1	23·2	22·7	22·4	22·5	22·0	20·7	20·7
18	19·2	17·9	17·1	17·1	18·2	19·3	20·5	21·2	21·5	21·6	21·7	21·6	20·9	20·2	20·0
19	19·7	18·6	17·8	17·8	18·2	19·7	22·3	24·1	24·9	24·7	23·3	21.8	20·5	19·1	19·2
20	19·9	18·8	17·1	16·7	19·3	21·1	23·1	24·1	24·7	24·7	23·6	22·1	20·5	19·9	19·9
21†	19·7	18·5	17·2	16·8	16·9	17·7	19·3	20·9	22·0	22·4	22·0	21·6	20·3	19·1	19·8
22	20·0	18·9	17·7	17·0	17·9	19·9	21·4	22·7	23·0	22·9	22·6	21·7	20·6	20·1	19·9
23†	19·8	18·8	17·5	16·9	18·0	19·7	20·8	22·1	22·3	22·0	21·4	20·5	19·8	19·6	20·1
24†	19·6	18·6	17·4	17·9	19·1	20·6	21·6	22·4	23·6	23·5	22·7	21·9	20·6	19·7	19·9
25	19·6	18·5	17·0	16·6	17·5	20·4	22·2	23·5	23·2	22·6	22·1	21·4	20·6	20·5	20·7
26	19·5	18·1	17·1	17·3	18·9	21·0	22·9	23·5	23·0	22·6	22·2	21·7	20·7	19·8	20·2
27	19·5	18·2	17·1	17·3	18·5	20·4	22·1	23·3	23·1	22·2	21·9	21·5	20·8	20·3	20·3
28	19·2	18·5	17·4	16·4	17·6	19·8	21·6	23·1	23·2	22·5	21·1	20·1	19·9	20·1	20·8
29††	19·6	18·5	17·4	17·1	17·8	19·1	21·5	22·5	22·5	22·1	21·2	20·2	19·4	18·9	19·6
30	19·1	17·5	16·9	17·8	19·5	21·1	22·2	22·7	22·7	22·1	21·3	20·2	19·6	19·8	20·4
31	19·3	17·9	17·0	17·0	18·4	19·9	20·8	21·2	21·1	20·3	19·1	19·1	19·3	19·6	20·1
Mean .	19·3	18·3	17·3	17·2	18·2	19·9	21·5	22·5	22·6	22·3	21·7	21·0	20·4	19·9	20·1
Mean†	19·6	18·5	17·4	17·3	18·2	19·8	21·9	22·1	22·7	22·3	21·6	21·0	20·4	19·8	20·1
Mean†† .	19·1	18·2	16·9	17·1	17·9	19·3	21·1	22·3	22·5	22·3	21·8	21·1	20·4	19·5	20·0

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1	19·2	18·5	18·1	17·9	18·7	20·0	21·9	23·3	23·5	23·0	22·3	21·5	20·8	20·3	20·5
2	19·7	18·6	17·5	17·5	18·6	19·9	21·6	22·6	22·4	22·1	21·1	20·5	20·0	20·1	20·6
3	19·4	18·1	17·3	17·5	18·4	20·8	22·6	23·9	23·6	22·3	21·2	20·5	20·1	19·9	20·4
4	19·5	18·4	17·5	17·8	18·6	20·6	22·1	24·3	25·1	24·6	23·1	21·2	19·7	19·4	20·2
5††	19·9	18·7	17·5	17·6	18·2	19·7	22·7	24·4	25·0	24·3	23·5	22·6	21·2	20·1	19·5
6††	19·7	18·9	17·1	16·6	17·5	18·9	20·5	21·8	22·4	22·4	21·9	20·5	19·3	19·0	19·8
7†	19·9	18·5	17·5	17·4	18·4	21·1	22·7	23·3	23·5	23·3	22·8	21·6	20·6	20·2	20·7
8††	19·7	18·9	17·7	17·4	18·2	20·5	22·1	23·0	23·3	23·3	22·7	21·4	20·5	20·3	20·3
9	19·5	18·2	17·0	17·1	18·2	19·7	21·4	22·1	22·5	22·5	22·2	21·3	19·9	19·2	19·9
10††	18·9	18·0	17·1	17·1	18·7	21·3	23·0	24·8	25·1	24·0	22·9	21·7	20·5	19·8	20·1
11†	19·3	18·2	17·1	17·2	18·4	19·7	21·8	23·0	23·7	23·1	21·4	20·3	19·9	20·0	20·5
12	19·5	18·5	17·1	17·1	18·1	19·8	21·5	22·4	22·5	22·5	21·9	20·9	20·4	20·1	20·3
13	19·3	18·8	17·5	17·2	18·4	20·6	22·4	23·0	23·0	22·5	21·5	20·8	20·5	20·3	20 7
14	19·2	19·0	18·6	18·7	20·0	22·2	23·1	23·3	23·2	23·1	22·2	21·6	21·2	20·7	20·7
15	19·7	18·9	17·6	16·7	17·1	18·5	20·0	22·0	22·1	21·2	20·9	20·9	20·5	20·1	20·5
16	19·8	19·3	18·7	18·5	19·4	21·1	22·4	23·7	23·6	23·2	21·9	20·9	20·5	19·9	20·3
17	19·8	19·2	18·1	17·4	17·6	18·5	20·0	21·3	22·0	22·1	21·8	21·0	20·8	20·7	20·7
18†	19·8	19·0	18·0	17·5	18·0	19·4	21·2	22·0	22·6	22·5	21·8	21·4	20·9	20·1	20·4
19†	20·2	19·5	18·6	17·4	18·5	20·8	22·5	23·9	25·0	25·0	23·9	22·4	21·1	20·2	20·7
20	20·0	19·3	18·3	18·0	18·7	20·5	21·7	22·4	22·7	22·2	21·0	20·2	19·5	19·7	20·1
21	19·5	18·7	17·1	16·4	17·3	19·0	21·1	22·7	23·0	22·3	21·2	20·7	20·1	20·0	20·3
22	19·7	18·7	17·6	16·9	17·7	19·9	21·7	22·6	23·3	23·3	22·7	21·2	20·1	20·1	20·5
23†	19·7	18·8	17·3	16·7	17·5	18·2	20·2	22·0	22·8	23·3	22·1	20·7	20·1	20·1	20·6
24	20·2	19·6	18·4	18·1	18·6	20·1	21·3	23·0	23·5	23·2	22·2	20·9	19·9	19·9	21·0
25	20·2	19·6	17·7	17·1	18·1	19·9	21·4	23·0	23·7	22·9	22·2	21·1	20·7	20·9	21·4
26	19·7	19·3	18·4	18·1	19·2	21·1	22·6	23·4	24·0	23·2	22·1	20·7	20·1	20·3	21·1
27	19·5	18·4	17·9	18·4	19·9	21·7	23·7	24·1	23·4	22·3	21·3	21·1	19·5	19·6	20·1
28	19·9	18·7	17·8	18·6	20·1	21·2	22·0	22·5	22·8	22·4	21·9	20·1	20·2	20·7	21·0
29	19·7	18·6	17·7	18·8	20·4	21·7	22·9	23·4	23·5	23·3	22·3	21·2	20·3	20·2	20·6
30††	20·0	18·8	17·5	18·2	19·7	21·4	22·3	22·9	22·6	21·6	21·3	20·5	20·4	20·5	20·8
31	19·0	18·4	17·4	17·7	19·8	21·7	23·1	23·8	22·9	22·0	21·3	21·1	21·2	21·3	21·3
Mean .	19·7	18·8	17·7	17·6	18·6	20·3	21·9	23·0	23·3	22·9	22·0	21·0	20·3	20·1	20·5
Mean† .	19·9	18·9	17·7	17·2	18·2	19·9	21·7	22·9	23·6	23·5	22·4	21·3	20·5	20·1	20·6
Mean†† .	19·6	18·6	17·3	17·3	18·4	20·4	22·1	23·4	23·7	23·1	22·5	21·3	20·4	19·9	20·1

† Five international quiet days.
†† Five international disturbed days.

DECLINATION (WESTERLY), 1936.

(Averages for sixty minutes centred at the full hours of Greenwich mean time.)

JULY. 0° PLUS TABULAR QUANTITIES.

Hours (G. M. T.).									Mean.*	Maximum.		Minimum.		Date.
15	16	17	18	19	20	21	22	23		Time.	Mag.	Time.	Mag.	
′	′	′	′	′	′	′	′	′	′	H. M.	′	H. M.	′	
20·6	20·6	20·3	20·1	19·8	19·5	19·3	19·2	19·2	20·1	1 50	17·5	6 34	22·4	1
19·2	19·8	19·8	20·2	20·4	20·2	19·7	19·2	19·1	20·0	2 14	17·1	7 48	23·3	2††
20·2	20·1	20·0	19·8	19·7	19·6	19·4	19·4	19·3	19·6	3 12	17·1	7 34	21·5	3
20·0	20·1	20·1	20·1	20·0	19·8	19·7	19·5	19·3	20·0	2 38	17·3	6 48	22·3	4
20·0	20·2	20·3	19·8	19·7	19·5	19·5	19·5	19·5	19·9	2 39	17·6	7 40	22·6	5
19·7	20·2	20·1	20·0	19·8	19·3	19·3	19·2	18·9	**19·5**	2 12	16·6	7 14	21·9	6††
20·3	20·2	20·0	19·5	19·4	19·4	19·5	19·4	19·3	19·7	2 30	15·9	7 8	23·4	7
20·6	20·5	20·1	19·7	19·4	19·6	19·5	19·5	19·7	20·1	2 54	16·7	7 40	23·4	8
19·9	20·1	20·0	20·1	20·0	19·7	19·2	19·3	19·4	20·3	2 50	17·4	9 14	23·0	9
19·8	18·7	18·3	18·9	18·7	19·1	19·0	19·0	18·8	20·1	3 10	17·2	7 43	24·1	10††
20·2	20·6	20·6	19·7	19·3	19·3	18·9	18·7	19·0	20·0	2 11	15·7	10 16	23·5	11††
20·6	20·7	20·2	20·1	19·7	19·5	19·3	19·5	19·1	19·7	2 16	**15·4**	9 15	22·2	12
20·0	19·9	20·2	20·0	19·7	19·7	19·6	19·5	19·4	19·8	3 24	16·9	7 20	22·2	13
20·5	20·4	20·1	20·1	19·8	19·6	19·6	19·7	19·7	20·2	2 6	17·3	7 42	22·7	14†
20·3	20·3	20·3	20·3	19·9	19·8	19·8	19·7	19·6	20·1	3 2	17·2	7 38	22·7	15†
20·5	20·7	20·5	20·4	20·1	19·8	19·5	19·4	19·4	20·1	2 58	15·9	10 34	22·3	16
20·9	21·1	20·7	20·3	19·8	19·5	19·2	19·2	19·3	20·3	2 50	16·5	7 32	23·6	17
20·0	20·3	20·3	20·3	20·4	20·1	20·0	19·9	20·0	20·0	2 23	16·6	8 1	21·8	18
20·0	20·2	20·3	20·4	20·3	20·0	20·1	20·2	20·3	20·6	2 34	17·7	7 48	**25·0**	19
20·1	20·0	20·1	19·8	19·9	20·0	19·9	20·0	20·0	**20·7**	2 46	16·3	8 56	24·9	20
20·3	20·2	20·1	20·0	20·1	19·9	19·9	19·9	20·0	19·8	2 58	16·7	9 2	22·5	21†
20·2	20·5	20·4	20·3	20·3	20·3	20·3	20·2	20·1	20·4	2 54	16·9	8 4	23·1	22
20·3	20·3	20·2	20·1	20·2	20·1	20·1	20·1	20·0	20·0	3 1	16·8	7 30	22·5	23†
20·4	20·5	20·3	20·3	20·3	20·0	19·9	20·0	19·9	20·4	2 16	17·3	8 20	24·0	24†
20·4	20·4	20·2	20·0	20·0	20·0	19·8	19·9	19·8	20·3	2 55	16·4	7 0	23·7	25
20·5	20·4	20·2	19·9	19·9	19·9	19·8	19·8	19·8	20·4	1 58	16·9	6 40	23·7	26
20·5	20·3	20·3	20·0	19·8	20·0	19·8	19·4	19·4	20·2	2 16	16·9	7 25	23·5	27
21·0	20·6	20·6	20·5	20·5	20·3	20·3	20·1	19·9	20·2	3 5	16·2	7 22	23·5	28
19·3	20·5	20·5	19·8	19·9	20·0	19·7	19·6	19·6	19·8	2 48	16·9	7 36	23·0	29††
20·3	20·2	20·2	20·1	20·2	20·1	19·9	19·9	19·7	20·1	1 28	16·7	7 49	23·1	30
20·4	20·3	19·8	19·9	20·1	20·0	19·9	19·9	19·3	19·6	2 30	16·8	7 0	1·4	31
20·2	20·3	20·2	20·0	19·9	19·8	19·7	19·6	19·5	20·1					Mean.
20·4	20·4	20·2	20·2	20·1	19·9	19·9	19·9	19·9	20·1					Mean.†
19·7	20·1	20·0	19·9	19·8	19·8	19·5	19·3	19·3	19·9					Mean.††

AUGUST.

20·6	20·3	19·9	19·9	19·8	19·8	19·8	19·8	19·8	20·4	2 39	17·5	7 24	23·7	1
20·8	20·5	20·4	20·3	20·1	19·8	19·8	19·9	19·6	20·2	2 34	17·3	7 0	22·8	2
20·7	20·7	20·7	20·5	20·3	20·0	20·2	20·1	19·8	20·4	1 58	17·1	7 10	24·1	3
20·4	20·4	20·3	20·2	20·3	20·1	20·1	20·1	20·1	20·6	2 4	17·4	8 6	25·3	4
19·7	20·2	20·2	19·7	19·5	19·7	19·9	19·9	19·9	20·6	2 44	17·3	8 4	25·3	5††
19·9	20·4	20·4	20·2	20·3	20·2	20·2	20·1	20·1	**19·9**	2 34	16·4	7 54	22·5	6††
20·8	20·8	20·7	20·5	20·1	20·0	20·0	20·0	20·0	20·6	2 26	17·3	7 34	23·8	7†
20·4	20·4	20·3	20·3	20·1	19·9	19·9	20·0	19·8	20·4	3 12	17·2	8 26	23·5	8††
19·8	19·9	20·1	20·2	20·1	20·1	19·8	19·7	19·3	20·0	2 20	16·8	7 50	22·7	9
20·5	20·7	20·3	20·3	20·1	20·0	19·8	19·6	19·5	20·6	2 20	16·9	7 38	**25·4**	10††
20·7	20·5	20·3	20·2	20·1	19·9	19·8	19·7	19·6	20·2	2 22	16·9	7 43	23·8	11†
20·7	20·5	20·3	20·3	20·1	20·0	19·5	19·6	19·4	20·1	2 34	16·9	7 38	22·7	12
20·8	20·7	20·3	20·1	20·1	19·9	19·8	19·6	19·4	20·3	2 54	17·1	7 42	23·3	13
21·1	20·9	20·7	20·5	20·2	20·1	19·9	20·0	19·9	20·9	2 8	18·4	7 4	23·4	14
20·5	20·5	20·4	20·3	20·2	20·0	20·1	20·0	19·8	19·9	3 28	16·4	7 28	22·3	15
20·5	20·5	20·5	20·3	20·1	20·1	20·0	20·0	19·9	20·6	2 38	18·3	7 26	24·1	16
20·8	20·8	20·7	20·3	20·3	20·3	20·1	20·0	19·9	20·2	3 38	17·3	8 44	22·2	17
20·6	20·8	20·7	20·6	20·6	20·4	20·3	20·3	20·3	20·4	3 10	17·4	8 30	22·9	18†
20·8	20·9	20·9	20·8	20·8	20·4	20·1	20·0	20·0	**21·0**	3 14	17·3	8 18	25·2	19†
20·2	20·2	20·3	20·2	20·1	20·0	20·1	19·7	19·7	20·2	3 6	17·9	8 2	22·8	20
20·7	20·8	20·7	20·7	20·5	20·4	20·2	20·1	20·0	20·1	3 0	**16·4**	7 54	23·1	21
20·8	20·8	20·6	20·5	20·4	20·3	20·3	20·1	20·0	20·4	2 58	16·8	8 32	23·5	22
20·7	20·9	21·0	20·9	20·8	20·7	20·6	20·5	20·5	20·3	3 22	16·5	8 58	23·3	23†
21·2	21·3	21·0	20·9	20·8	20·7	20·6	20·5	20·4	20·7	2 50	18·0	7 56	23·7	24
21·4	21·3	20·9	20·8	20·6	20·1	19·9	19·9	19·9	20·6	2 54	17·0	8 9	23·7	25
21·2	21·2	21·0	20·9	20·6	20·5	20·4	20·1	20·3	20·8	2 44	17·9	7 54	24·2	26
20·6	21·0	21·1	20·8	20·7	20·5	20·1	20·1	19·9	20·6	2 6	17·7	6 39	24·2	27
21·1	21·0	20·8	20·8	20·6	20·4	20·3	20·3	20·0	20.6	2 4	17·6	7 47	23·1	28
20·9	20·9	21·0	20·9	20·8	20·7	20·5	20·3	20·6	20·9	2 0	17·4	7 44	23·8	29
20·5	20·6	20·4	20·1	19·9	19·7	19·9	19·4	19·2	20·3	2 13	17·2	7 16	23·0	30††
21·1	20·9	20·8	20·6	20·3	19·9	19·9	19·9	19·9	20·7	2 26	17·3	6 38	23·8	31
20·7	20·7	20·6	20·4	20·3	20·1	20·1	20·0	19·9	20·4					Mean.
20·7	20·8	20·7	20·5	20·4	20·2	20·1	20·1	20·0	20·5					Mean.†
20·2	20·5	20·3	20·1	20·0	20·0	20.0	19·9	19·8	20·4					Mean.††

*See footnote on page B-7.
†Five international quiet days.
††Five international disturbed days.

DECLINATION (WESTERLY), 1936.

(Averages for sixty minutes centred at the full hours of Greenwich mean time.)

SEPTEMBER. 0° PLUS TABULAR QUANTITIES.

Date.	Hours. (G.M.T.).														
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14
	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′
1	19·9	19·3	18·1	18·2	18·9	19·8	20·3	21·7	22·0	21·7	20·9	20·1	19·8	19·9	20·3
2	19·6	18·6	17·2	17·2	18·4	20·0	22·0	24·0	24·0	23·2	22·0	21·1	20·2	19·8	20·1
3†	19·9	18·9	17·9	17·8	18·3	19·7	21·6	23·0	23·1	22·5	21·9	20·7	19·9	19·9	20·5
4	20·1	18·8	17·3	17·2	18·7	20·6	22·2	24·2	**25·0**	24·3	22·6	21·2	20·2	20·1	20·7
5	19·7	19·3	17·9	17·0	17·5	18·9	20·3	21·9	22·8	22·8	21·8	20·2	19·3	19·8	20·3
6	19·4	18·5	16·6	**16·3**	18·7	21·3	21·8	21·8	21·9	21·4	20·2	19·3	19·1	19·6	20·2
7†	19·8	19·1	17·9	17·6	18·6	19·8	21·0	22·5	22·5	22·1	21·6	20·8	20·5	20·6	20·5
8	20·1	19·2	18·0	17·8	19·2	20·6	22·1	23·1	23·7	23·2	22·2	21·5	20·9	20·8	20·9
9	19·9	19·1	17·8	17·0	17·4	19·1	21·2	22·4	22·8	22·2	21·1	20·1	19·9	19·7	19·7
10	19·9	18·7	17·7	17·8	18·7	19·7	21·0	22·0	22·5	21·9	21·3	20·7	20·6	20·0	20·0
11††	20·1	18·9	17·2	16·8	17·5	19·0	20·7	21·9	22·3	22·2	21·1	20·0	20·1	20·2	19·9
12	20·2	19·1	17·8	17·1	17·6	19·0	20·4	21·9	22·4	21·9	20·9	20·5	20·6	20·8	20·8
13†	20·1	18·9	17·1	16·8	18·3	20·2	21·8	22·8	23·2	23·0	21·7	20·6	20·6	21·1	20·8
14	19·9	19·0	17·4	17·0	17·5	19·2	21·4	23·0	23·2	22·9	21·7	20·7	20·9	21·0	20·7
15	20·0	19·5	18·5	18·3	19·3	20·9	22·1	23·5	24·0	23·1	21·5	20·4	20·1	20·3	20·1
16†	19·8	19·2	17·9	17·3	18·3	20·2	22·1	23·4	23·9	24·0	22·9	21·1	20·2	20·1	20·5
17	20·1	19·8	18·5	17·5	17·4	18·8	20·9	22·2	23·1	22·9	22·1	21·2	20·9	20·7	20·5
18	20·3	20·0	19·3	18·9	19·4	20·9	22·5	23·7	23·5	22·5	21·5	20·7	20·7	20·7	20·7
19	20·1	19·8	18·7	17·8	18·3	19·1	20·7	22·8	23·7	23·0	22·0	21·0	20·7	20·7	20·8
20	19·9	19·9	19·1	18·2	18·4	18·8	20·1	21·8	22·7	22·6	22·0	21·3	20·7	20·8	20·9
21	20·5	20·5	19·4	18·0	18·2	19·2	21·0	22·9	23·5	23·3	21·9	20·7	20·7	21·0	20·9
22	20·3	20·2	19·3	18·2	18·4	19·5	21·4	23·3	24·2	23·7	22·6	21·5	21·3	21·1	20·9
23††	20·7	20·9	19·8	18·4	18·5	19·3	20·0	20·4	21·4	21·6	21·2	21·2	21·4	21·3	20·7
24	20·4	20·4	19·7	19·4	20·0	19·9	20·7	22·1	22·5	22·3	21·6	21·2	21·1	20·8	20·7
25†	20·5	20·5	19·1	18·2	18·5	19·5	20·5	22·7	23·6	23·3	22·3	21·4	21·0	20·8	20·6
26††	20·5	20·4	19·8	18·7	18·2	19·0	20·2	21·3	22·3	21·8	20·5	19·7	19·9	20·2	20·2
27††	19·7	19·4	18·5	17·7	18·1	19·6	21·3	23·1	23·6	23·1	21·6	20·5	20·4	20·8	20·9
28	20·3	19·9	18·9	17·7	17·7	19·7	22·2	23·1	23·2	22·3	20·6	19·7	20·2	20·8	20·8
29††	20·2	19·8	18·3	18·7	19·7	20·2	22·1	23·9	24·6	23·5	22·3	20·9	20·3	20·4	20·5
30	20·0	19·6	18·6	17·5	17·0	18·2	20·5	22·1	22·6	22·2	21·7	21·1	21·3	21·3	20·7
Mean	20·1	19·5	18·3	17·7	18·4	19·7	21·2	22·6	**23·1**	22·7	21·7	20·7	20·4	20·5	20·5
Mean†	20·1	19·4	18·0	**17·5**	18·4	19·9	21·4	22·9	**23·3**	23·0	22·1	20·9	20·4	20·5	20·6
Mean††	20·2	19·9	18·6	**18·0**	18·3	19·4	20·8	22·1	**22·9**	22·5	21·3	20·4	20·4	20·6	20·5

OCTOBER.

1	20·3	20·5	19·6	18·6	18·0	18·2	20·0	21·9	22·9	22·7	22·0	21·1	20·6	20·6	20·5
2†	20·3	20·0	18·4	**17·0**	17·1	18·4	20·7	23·9	**25·8**	25·2	23·3	21·8	21·1	21·0	20·6
3†	21·0	20·8	19·3	18·0	17·5	18·2	19·3	21·1	23·1	22·6	20·9	19·9	19·6	20·3	20·3
4	20·4	20·0	19·2	18·9	19·1	19·7	21·0	22·8	23·3	22·4	21·2	20·7	20·7	21·0	20·8
5	20·5	20·1	18·6	18·2	19·1	19·9	20·9	21·9	22·2	22·0	21·2	20·5	20·4	20·6	20·7
6	19·6	19·4	18·2	17·5	17·9	18·9	19·7	20·8	21·3	21·1	21·0	20·1	20·7	20·8	20·6
7	20·1	19·7	19·3	17·9	18·9	20·2	21·4	23·0	23·4	22·5	21·1	20·4	20·4	20·6	20·5
8	19·8	19·8	18·7	17·4	17·6	18·6	19·6	21·1	21·2	20·9	20·3	20·4	20·6	20·4	20·1
9	20·2	20·1	19·3	18·0	17·9	18·5	19·9	21·4	22·5	21·9	21·5	20·5	19·8	20·1	19·6
10††	20·5	20·1	19·2	18·1	17·4	18·2	19·1	19·7	19·7	19·7	20·2	20·3	20·5	20·2	20·1
11	20·5	20·3	19·3	18·3	18·0	18·9	20·3	21·4	21·6	21·4	20·4	19·8	20·3	21·1	20·6
12	21·1	20·8	19·8	18·1	17·6	18·7	20·3	21·5	21·8	21·2	20·3	20·0	20·5	21·1	20·8
13	20·7	20·4	19·3	18·7	18·9	20·0	21·7	22·6	22·3	21·9	21·1	20·6	20·7	21·1	20·7
14	20·7	20·7	20·0	19·5	19·9	20·5	21·4	22·4	22·1	21·0	20·3	20·2	20·6	21·0	20·5
15	21·5	20·6	19·5	19·8	20·1	21·1	21·8	22·3	21·7	20·8	20·3	20·5	21·1	21·5	21·0
16††	20·4	20·5	19·9	19·4	19·6	20·5	21·3	21·7	21·8	21·5	20·8	20·4	20·4	21·1	20·8
17††	20·4	20·3	20·1	19·4	18·9	19·4	20·1	20·6	20·7	20·6	19·9	19·3	20·0	20·3	19·8
18	21·5	21·4	20·5	19·7	19·4	20·2	21·5	22·0	22·4	21·5	21·3	20·4	20·5	20·7	20·4
19	20·7	20·5	19·7	18·6	18·1	13·5	20·2	20·7	20·7	20·6	20·0	19·7	19·9	20·4	20·2
20	20·4	20·1	19·8	19·4	19·3	9·7	20·6	20·9	20·9	20·4	19·7	19·7	20·4	20·7	20·4
21	20·2	20·3	20·2	19·9	19·9	20·1	20·7	21·3	21·5	21·3	20·6	20·4	20·6	20·6	20·3
22†	20·6	20·4	19·7	19·3	20·0	20·6	21·5	21·7	21·3	21·4	21·0	20·6	20·8	21·0	20·5
23	20·7	20·4	19·5	18·9	19·0	19·8	20·6	21·4	21·3	20·9	20·5	19·9	20·5	20·9	20·6
24††	20·1	20·4	20·2	20·0	20·2	20·9	21·7	21·9	21·5	21·4	21·1	20·6	21·4	21·1	20·4
25	20·5	20·2	19·7	19·5	19·5	20·0	20·9	21·6	21·6	21·6	21·2	20·6	20·8	20·8	20·4
26	20·5	20·4	19·9	19·1	18·7	19·3	20·4	21·6	21·5	21·1	20·7	20·6	21·0	20·8	20·3
27†	20·7	20·8	20·3	19·9	19·8	20·0	20·3	20·5	20·5	20·4	19·8	19·7	20·6	20·9	20·4
28†	20·6	20·6	19·9	19·3	19·3	19·7	20·8	21·3	21·4	21·0	20·3	20·2	21·1	21·2	20·6
29	20·6	20·6	20·5	19·9	19·5	20·4	21·6	21·7	21·2	20·6	20·3	20·5	20·8	20·7	20·6
30	20·6	20·7	20·2	19·5	19·7	20·5	21·4	21·7	20·9	20·4	20·5	20·4	21·1	21·4	20·7
31††	20·9	20·8	20·5	19·9	20·0	20·6	20·8	20·8	21·4	20·6	20·0	19·3	19·9	20·1	19·9
Mean	20·5	20·4	19·6	**18·9**	18·9	19·6	20·7	21·5	**21·8**	21·4	20·7	20·3	20·6	20·8	20·4
Mean†	20·7	20·6	19·5	**18·7**	18·7	19·4	20·5	21·7	**22·5**	22·1	21·1	20·4	20·6	20·9	20·5
Mean††	20·6	20·7	20·1	19·4	**19·3**	20·0	20·7	21·0	**21·1**	20·8	20·4	19·9	20·5	20·6	20·2

† Five international quiet days.
†† Five international disturbed days.

(Averages for sixty minutes centred at the full hours of Greenwich mean time.)

SEPTEMBER. 0° PLUS TABULAR QUANTITIES.

Hours (G.M.T.).									Mean.*	Maximum.		Minimum.		Date.
15	16	17	18	19	20	21	22	23		Time.	Mag.	Time.	Mag.	
′	′	′	′	′	′	′	′	′	′	H. M.	′	H. M.	′	
20·5	20·5	20·4	20·5	20·5	20·2	20·0	20·0	19·9	20·1	2 18	18·0	7 32	22·2	1
20·7	20·7	20·6	20·6	20·6	20·4	20·2	20·1	20·0	20·5	2 16	17·0	7 22	24·3	2
20·7	20·6	20·4	20·4	20·3	20·2	20·1	20·2	20·2	20·3	2 32	17·6	7 18	23·3	3†
20·8	20·8	20·6	20·6	20·3	20·2	20·0	20·1	20·0	20·7	2 50	17·0	7 58	**25·3**	4
20·5	20·5	20·3	20·3	20·1	20·1	19·9	19·9	19·8	20·0	3 12	16·9	9 6	23·4	5
20·5	20·6	20·6	20·5	20·4	20·4	20·3	20·2	20·1	20·0	2 40	**16·1**	6 0	22·0	6
20·7	20·7	20·6	20·5	20·4	20·4	20·3	20·3	20·3	20·4	2 36	17·5	7 30	22·7	7†
20·7	20·4	20·1	20·2	20·4	20·4	20·4	20·1	20·0	20·7	2 46	17·6	8 0	23·9	8
20·0	20·4	20·4	20·3	20·2	20·1	20·3	20·2	20·1	20·0	3 16	16·9	7 50	23·0	9
20·1	20·2	19·9	20·0	20·0	20·0	20·1	20·3	20·3	20·1	2 20	17·4	7 50	22·6	10
19·6	19·5	19·2	19·4	19·5	19·9	19·9	20·1	20·2	**19·8**	2 48	16·7	8 26	22·5	11††
20·6	20·3	20·3	20·3	20·2	20·1	20·0	20·3	20·3	20·1	3 22	17·0	7 52	22·5	12
20·6	20·5	20·4	20·3	20·3	20·3	20·3	20·3	20·3	20·4	2 46	16·5	8 0	23·3	13†
20·3	20·1	20·1	20·1	20·4	20·3	20·1	20·0	20·0	20·3	2 54	16·9	7 40	23·4	14
20·0	20·3	20·4	20·0	20·0	19·9	19·8	19·8	19·8	20·5	2 26	18·1	7 50	24·2	15
20·4	20·5	20·6	20·5	20·5	20·3	20·2	20·1	20·1	20·6	3 0	17·2	8 40	24·2	16†
20·5	20·5	20·5	20·4	20·3	20·2	20·1	20·3	20·3	20·4	3 35	17·1	8 17	23·3	17
20·9	20·9	20·7	20·4	20·4	20·4	20·2	20·2	20·1	20·8	3 4	18·8	7 22	23·9	18
20·8	20·8	20·5	20·5	20·3	20·1	20·0	19·9	19·9	20·5	3 12	17·6	7 46	24·1	19
20·7	20·7	20·6	20·5	20·3	20·2	20·1	20·3	20·4	20·5	3 21	18·1	8 18	23·0	20
20·8	20·7	20·5	20·5	20·3	20 1	20·0	20·1	20·2	20·6	3 14	17·7	8 18	23·7	21
20·9	20·8	20·7	20·5	20·3	20·2	20·1	20·2	20·5	**20·8**	3 24	18·0	8 6	24·4	22
20·4	20·5	20·4	20·3	20·2	20·0	20·1	20·2	20·3	20·4	3 18	18·1	8 6	21·7	23††
20·6	20·6	20·6	20·4	20·2	20·0	20·0	20·2	20·4	20·7	3 0	19·3	7 57	22·7	24
20·5	20·5	20·4	20·2	20·1	20·0	20·1	20·2	20·6	20·6	3 24	18·1	8 6	23·8	25†
20·2	20 0	19·5	19·3	19·0	19·0	19·0	19·2	19·7	19·9	3 35	18·1	8 20	22·5	26††
20·7	20·7	20·6	20·5	20·5	20·4	20·3	20·4	20·4	20·5	3 10	17·6	7 54	23·8	27††
20·6	20·5	20·4	20·2	20·2	20·2	20·2	20·1	20·2	20·4	3 40	17·3	7 46	23·4	28
20·2	20·0	20·2	19·9	19·8	19·4	19·5	19·7	19·9	20·6	2 28	17·9	7 56	24·9	29††
20·4	20·5	20·5	20·5	20·3	20·1	20·1	20·2	20·4	20·3	4 10	16·9	8 10	22·7	30
20·5	20·5	20·4	20·3	20·2	20·1	20·1	20·1	20·1	20·4					Mean.
20·6	20·5	20·5	20·3	20·3	20·2	20·2	20·2	20·3	20·5					Mean.†
20·2	20·2	20·0	19·9	19·8	19·7	19·8	19·9	20·1	20·2					Mean.††

OCTOBER.

20·5	20·5	20·5	20·4	20·1	20·1	20·2	20·3	20·3	20·4	4 10	17·9	8 10	23·0	1
20·5	20·5	20·7	20·6	20·5	20·4	20·3	20·5	20·8	**20·8**	3 38	**16·8**	7 56	**26·4**	2†
20·2	20·3	20·5	20·4	20·3	20·4	20·3	20·4	20·5	20·2	3 58	17·3	8 16	23·3	3†
20·6	20·6	20·7	20·6	20·4	20·4	20·4	20·6	20·5	20·7	2 58	18·8	8 4	23·5	4
20·6	20·4	20·3	19·6	19·3	19·4	19·7	19·5	19·5	20·2	2 49	17·9	7 30	22·3	5
20·3	20·1	20·3	20·1	20·1	20·1	20·0	20·3	20·4	20·0	2 55	17·3	7 44	21·5	6
20.3	20·3	20·3	20·1	20·2	20·1	19·9	19·9	20·0	20·4	2 49	17·4	7 50	23·5	7
19·8	19·9	20·1	20·1	20·2	20·1	20·0	20·1	20·3	19·9	3 16	17·3	7 22	21·5	8
19·3	19·4	19·7	19·8	19·6	19·9	20·1	19·9	20·3	20·0	3 37	17·7	7 38	22·6	9
19·7	19·6	20·2	19·8	19·7	19·9	20·1	20·2	20·3	**19·7**	3 49	17·2	12 14	20·6	10††
20·5	20·6	20·6	20·5	20·4	20·4	20·4	20·5	20·7	20·3	3 36	17·8	7 30	21·7	11
20·6	20·6	20·7	20·4	20·3	20·2	20·3	20·6	20·6	20·3	3 52	17·3	7 30	22·2	12
20·7	20·6	20·6	20·5	20·4	20·4	20·5	20·6	20·7	20·7	3 48	18·5	7 10	22·7	13
20·3	20·2	20·0	20·0	20·0	20·2	20·5	20·7	21·0	20·6	3 2	19·4	7 34	22·8	14
20·6	20·5	20·6	20·5	20·4	20·3	20·1	19·9	20·1	20·7	2 6	19·4	6 50	22·5	15
20·6	20·3	19·5	18·5	18·7	19·1	20·3	20·0	20·4	20·3	18 20	18·3	7 14	21·9	16††
20·3	20·4	20·4	20·2	20·3	20·3	20·4	20·4	20·6	20·2	3 49	18·4	1 14	21·3	17††
20·3	20·5	20·3	20·3	20·2	20·3	20·3	20·4	20·5	20·7	3 54	19·3	8 6	22·8	18
20·4	20·6	20·5	20·4	20·4	20·1	19·7	20·0	20·2	20·0	4 7	17·7	8 32	21·2	19
20·6	20·4	20·3	19·7	19·6	19·6	19·7	19·8	19·9	20·1	3 37	18·9	8 14	21·2	20
20·3	20·4	20·5	20·4	20·2	19·9	19·9	20·2	20·5	20·4	4 11	19·7	8 18	21·7	21
20·7	20·7	20·7	20·6	20·5	20·5	20·4	20·6	20·7	20·7	3 14	19·3	6 36	21·9	22†
20·5	20·6	20·7	20·4	20·1	19·9	20·2	20·3	19·7	20·3	3 22	18·6	7 0	21·5	23
20·5	20·2	20·2	19·6	19·4	19·7	20·0	19·9	20·4	20·5	18 54	19·1	6 32	21·9	24††
20·2	20·2	20·2	20·1	20·0	20·0	20·1	20·2	20·4	20·4	3 14	19·4	6 54	21·9	25
20·2	20·5	20·4	20·3	20·3	20·4	20·3	20·5	20·6	20·4	4 16	18·5	7 18	21·9	26
20·4	20·5	20·6	20·5	20·5	20·5	20·5	20·6	20·6	20·4	3 0	19·5	12 52	21·1	27†
20·6	20·5	20·4	20·3	20·2	20·2	20·2	20·4	20·5	20·4	3 2	19·1	7 50	21·6	28†
20·5	24·6	20·6	20·5	20·4	20·3	20·1	20·2	20·5	20·5	3 46	19·3	6 32	22·0	29
20·6	20·8	20·8	20·4	20·4	20·3	20·3	20·6	20·7	20·6	3 38	19·4	6 30	21·9	30
19·6	19·6	19·5	19·6	19·7	19·8	20·0	20·4	20·5	20·1	11 18	18·5	8 30	21·7	31††
20·3	20·3	20·4	20·2	20·1	20·1	20·2	20·3	20·4	20·4					Mean.
20·5	20·5	20·6	20·5	20·4	20·4	20·3	20·5	20·6	20·5					Mean.†
20·1	20·0	19·9	19·5	19·5	19·7	20·1	20·1	20·3	20·2					Mean.††

* See footnote on page B-7.
† Five international quiet days.
†† Five international disturbed days.

DECLINATION (WESTERLY), 1936.

(Averages for sixty minutes centred at the full hours of Greenwich mean time.)

NOVEMBER. 0° PLUS TABULAR QUANTITIES.

Date.	Hours (G. M. T.).														
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14
	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′
1	20·6	20·8	20·7	19·8	19·3	19·7	20·7	21·3	20·7	20·3	20·0	19·7	19·9	20·4	20·0
2	20·6	20·5	20·0	18·9	18·6	19·1	20·0	20·4	20·4	20·1	19·7	20·2	20·6	20·8	20·3
3††	20·9	20·9	20·3	19·5	19·1	19·5	20·7	20·6	19·3	19·3	19·3	19·9	20·8	21·0	20·5
4	19·7	20·3	20·3	20·2	19·6	19·0	19·3	19·5	18·9	19·0	19·9	20·3	20·6	20·6	20·3
5	20·6	21·1	20·7	19·9	19·5	19·8	20·2	20·2	20·0	20·2	20·5	20·9	21·3	20·9	20·4
6	20·5	20·6	20·3	19·3	18·5	18·3	18·5	19·3	19·8	20·2	20·4	20·6	20·7	20·7	20·3
7	20·4	20·6	20·3	19·4	19·1	19·9	20·6	20·9	21·0	21·2	21·5	21·0	21·5	21·3	20·6
8	20·0	20·3	19·9	19·3	19·1	19·6	19·8	20·3	20·4	20·4	19·9	20·1	21·0	21·2	20·7
9	21·3	21·6	21·2	20·5	19·7	19·9	20·5	20·5	20·3	20·4	20·8	20·9	21·1	21·1	20·5
10	20·9	21·1	20·3	19·0	18·5	19·3	20·1	21·0	21·3	21·0	20·9	20·9	21·1	21·2	20·7
11††	20·7	20·6	20·9	20·6	20·7	20·7	20·7	21·4	21·2	20·2	20·0	20·0	20·4	20·6	20·2
12	20·0	20·0	20·5	20·4	21·2	21·5	21·8	22·3	21·5	20·7	20·5	20·5	20·8	20·8	20·5
13†	20·7	20·7	20·5	20·0	20·3	21·3	21·5	21·8	21·2	20·5	20·3	20·4	21·0	21·0	20·4
14	20·9	20·7	20·4	19·5	19·2	19·8	20·5	20·9	20·6	20·2	20·2	20·5	20·8	20·9	20·5
15††	20·7	20·9	20·9	20·0	19·7	20·1	20·7	20·9	20·3	20·5	20·7	20·7	21·0	21·2	20·5
16††	20·9	20·8	21·2	20·7	20·3	19·8	19·5	19·9	19·9	19·7	19·7	19·9	20·6	20·7	20·1
17	20·8	21·0	21·4	20·6	19·5	19·2	19·6	20·5	19·6	20·0	20·2	20·2	20·8	21·0	20·6
18	20·4	20·8	20·6	20·3	19·3	19·2	20·1	20·6	20·0	19·7	20·1	19·8	20·2	20·5	20·2
19	20·5	20·5	20·7	20·3	20·1	20·2	21·1	21·5	20·7	20·5	21·0	21·3	21·3	21·0	21·0
20	21·4	21·5	21·3	20·9	20·3	19·9	20·3	20·9	21·0	20·4	20·5	20·2	20·4	20·5	20·3
21	20·7	20·7	20·9	20·3	19·9	20·3	21·5	21·9	21·5	21·1	20·6	20·6	20·9	20·6	20·5
22†	20·7	20·7	20·4	19·8	19·5	19·8	21·1	21·8	21·6	21·3	21·3	21·1	20·9	20·8	20·6
23†	20·9	20·9	20·9	20·3	19·7	19·8	20·2	20·9	20·9	20·8	21·2	21·1	21·1	21·2	20·9
24†	21·1	21·1	21·4	21·0	20·8	20·8	21·1	21·3	20·8	20·4	20·5	20·8	21·4	21·2	20·8
25†	20·8	21·1	21·6	21·2	21·5	21·6	21·9	22·3	21·6	20·8	20·3	21·0	21·5	21·3	20·8
26	21·0	21·1	21·1	20·6	20·3	20·3	20·6	20·9	21·0	20·9	20·8	21·3	21·5	21·2	20·8
27	20·9	21·0	21·2	21·3	21·3	20·7	20·3	20·5	20·4	20·6	21·3	21·3	21·3	21·2	20·6
28	21·4	21·5	21·6	21·2	20·3	19·9	20·3	21·1	21·6	21·4	21·2	20·9	21·3	21·3	20·8
29††	23·0	23·4	**24·0**	23·5	20·2	19·7	18·5	**17·3**	17·9	18·3	18·7	19·6	20·1	19·4	19·7
30	20·6	20·5	20·9	20·9	20·6	20·9	22·1	22·4	21·5	20·6	20·6	20·7	20·9	20·9	20·6
Mean .	20·8	**20·9**	20·9	20·3	**19·9**	20·0	20·5	20·8	20·6	20·3	20·4	20·5	20·9	20·9	20·5
Mean† .	20·9	20·9	21·0	20·5	**20·4**	20·7	21·2	**21·7**	21·2	20·7	20·7	20·9	21·2	21·1	20·7
Mean†† .	20·8	20·9	**21·1**	20·5	19·7	19·7	19·8	19·9	19·6	**19·5**	19·6	20·0	20·6	20·6	20·3

DECEMBER.

1	20·8	20·8	20·9	19·9	19·4	19·4	21·2	21·9	21·2	20·5	20·2	20·1	20·8	21·3	20·5
2	20·7	20·8	21·0	20·5	20·4	21·3	22·4	**22·9**	22·3	21·4	20·8	20·6	21·0	21·1	20·7
3	20·2	20·4	20·6	20·5	20·1	20·6	21·0	21·8	21·8	21·7	20·7	20·2	20·3	20·6	20·4
4††	21·3	21·3	21·6	21·3	21·0	21·2	20·7	21·3	21·7	21·4	20·7	21·0	21·1	21·0	20·7
5	20·7	20·7	21·0	21·0	21·1	21·3	21·3	21·5	21·7	21·6	21·0	21·1	21·3	21·1	20·7
6	20·6	20·9	21·2	21·1	20·6	20·5	20·3	20·7	21·1	21·0	21·3	20·9	20·9	20·9	20·7
7	20·5	20·6	20·9	20·9	20·5	20·3	20·3	20·6	20·8	21·9	22·0	21·3	20·7	20·8	20·7
8	20·8	20·7	21·1	20·6	19·9	19·8	19·9	19·9	20·0	21·0	21·9	21·7	21·1	20·9	20·6
9†	20·8	20·8	20·9	20·6	19·8	19·6	19·4	19·6	20·2	20·5	20·9	20·8	21·2	21·5	21·0
10†	20·8	20·8	21·3	21·1	20·8	20·9	21·2	21·0	20·5	20·3	20·8	21·5	21·8	21·6	21·0
11	21·0	21·2	21·9	21·1	20·0	19·2	19·9	20·2	20·3	21·0	21·4	21·2	21·3	21·3	20·7
12††	21·6	21·7	22·0	21·6	21·2	21·1	21·2	20·9	21·3	21·3	21·1	21·0	21·4	21·5	21·0
13††	21·4	21·9	22·4	22·4	21·2	20·3	20·0	19·6	20·5	20·9	21·3	21·3	21·4	21·2	20·9
14	21·9	21·2	22·0	22·4	22·0	21·9	21·3	20·9	20·4	20·1	19·9	20·4	20·9	20·9	20·8
15	21·0	21·0	21·4	21·3	21·5	21·5	21·4	21·1	20·7	21·0	21·2	21·5	21·2	21·0	21·0
16	21·3	21·3	21·5	21·5	21·3	21·1	21·3	21·9	21·7	20·9	20·9	21·1	21·3	21·2	21·0
17	21·0	21·3	21·7	21·3	20·8	20·4	20·4	20·4	20·3	20·1	20·5	20·7	20·9	21·0	20·7
18	21·4	21·4	21·5	21·3	21·0	21·1	21·2	21·2	21·0	21·2	20·9	20·7	21·0	21·3	21·0
19†	21·2	21·2	21·6	21·4	21·4	21·5	21·5	21·2	20·6	20·3	20·4	20·7	21·2	21·2	20·9
20	21·6	21·7	22·1	22·1	21·6	21·7	21·7	21·1	20·6	20·5	20·7	20·9	20·9	21·0	20·8
21	21·8	22·1	22·5	22·3	21·5	20·8	20·6	20·8	20·8	21·2	21·8	20·8	21·1	21·2	21·1
22†	21·0	21·3	21·5	21·6	21·9	21·9	21·9	22·1	21·8	22·0	22·1	21·9	21·8	21·6	21·1
23	21·1	21·0	21·4	21·1	20·6	20·4	20·8	20·6	20·6	20·4	21·1	21·7	21·4	21·2	20·9
24†	21·0	21·3	21·4	21·4	20·9	20·4	20·3	20·9	21·0	20·9	21·1	21·6	21·5	21·3	20·9
25	21·1	21·1	21·1	20·7	19·6	19·6	20·3	20·8	20·8	21·2	22·0	22·0	21·7	21·6	21·1
26	21·5	21·6	21·7	21·4	21·1	20·3	20·0	20·0	20·3	20·9	21·3	21·8	21·9	21·5	20·9
27††	21·2	21·3	21·9	20·5	20·1	20·5	21·3	21·0	20·1	20·2	20·5	21·2	21·7	21·7	20·7
28††	21·4	21·8	22·3	22·0	20·3	19·6	19·6	19·6	19·3	19·2	19·4	19·6	19·5	19·1	19·3
29	21·1	21·3	21·3	21·2	20·5	20·4	20·6	20·6	19·6	18·4	**18·1**	19·0	20·0	20·3	19·7
30	20·7	20·5	19·9	19·2	19·0	20·5	21·7	21·7	20·9	20·7	20·5	20·2	20·6	20·8	20·7
31	20·9	21·1	20·7	19·8	19·2	19·4	20·7	21·1	20·6	21·4	21·5	21·3	21·4	21·5	21·3
Mean .	20·9	21·2	**21·4**	21·1	20·7	**20·6**	20·8	20·9	20·8	20·8	20·9	21·0	21·1	21·1	20·8
Mean† .	21·1	21·2	21·4	21·3	21.0	20·9	**20·9**	21·0	20·9	20·8	21·1	21·3	**21 5**	21·5	20·9
Mean†† .	21·3	21·5	**22.0**	21·5	20·7	20·5	20·6	20·5	20·6	20·6	20·6	20·8	21·0	20·9	20·5

† Five international quiet days.
†† Five international disturbed days.

(Averages for sixty minutes centred at the full hours of Greenwich mean time.)

NOVEMBER. 0° PLUS TABULAR QUANTITIES.

Hours (G. M. T.).									Mean.*	Maximum.		Minimum.		Date.
15	16	17	18	19	20	21	22	23		Time.	Mag.	Time.	Mag.	
′	′	′	′	′	′	′	′	′	′	H. M.	′	H. M.	′	
20·0	20·1	19·9	19·9	20·1	20·2	20·3	20·4	20·5	20·2	4 18	19·3	6 58	21·4	1
20·4	20·5	20·6	20·5	20·6	20·5	20·6	21·0	21·0	20·3	4 14	18·5	22 14	21·2	2
20·1	20·0	19·7	19·3	18·9	18·8	18·6	19·1	19·3	**19·8**	20 42	18·3	12 34	21·1	3††
20·3	20·2	20·1	20·1	20·0	20·0	20·1	20·2	20·5	20·0	5 28	18·5	1 30	20·8	4
20·4	20·6	20·5	20·2	20·4	20·4	20·4	20·3	20·4	20·4	4 16	19·3	12 10	21·5	5
20·4	20·4	20·3	20·1	20·0	19·9	20·1	20·3	20·4	20·0	4 38	18·0	12 30	20·9	6
20·6	20·6	20·3	20·0	19·9	19·8	19·7	19·7	19·8	20·4	3 46	18·9	9 46	21·7	7
20·4	20·1	20·3	20·0	19·9	19·8	20·2	20·4	20·4	20·2	3 56	18·9	23 59	21·4	8
20·5	20·4	20·3	20·4	20·3	20·3	20·4	20·5	20·6	20·5	3 23	19·3	0 40	21·7	9
20·7	20·7	20·7	20·5	19·9	19·8	19·7	20·1	20·3	20·4	3 38	18·4	7 28	21·6	10
20·4	20·3	19·8	19·5	19·4	19·5	19·9	19·7	19·8	20·3	22 37	19·3	7 34	21·7	11††
20·5	20·7	20·6	20·3	20·5	20·4	20·5	20·5	20·6	20·7	1 0	19·9	7 2	22·4	12
20·3	20·4	20·3	20·3	20·3	20·3	20·4	20·6	20·8	20·7	3 10	19·8	7 30	21·9	13†
20·5	20·5	20·3	20·1	20·2	20·3	20·4	20·3	20·4	20·4	3 38	19·1	12 54	21·3	14
20·2	20·1	20·0	19·7	20·0	19·9	19·9	20·5	20·5	20·4	3 49	19·5	12 54	21·5	15††
20·6	21·0	20·5	20·3	20·2	19·9	20·3	20·2	20·7	20·3	5 50	19·5	1 46	21·7	16††
20·5	20·8	20·7	20·5	20·5	20·5	20·5	20·8	20·5	20·4	5 2	18·9	1 51	21·7	17
20·4	20·5	20·6	20·4	20·3	20·3	20·3	20·6	20·4	20·2	4 30	19·1	1 2	21·0	18
20·8	20·9	20·5	20·4	20·5	20·4	20·7	20·8	21·1	20·8	3 44	20·0	6 53	21·8	19
20·2	20·6	20·5	20·3	20·3	20·2	20·3	20·3	20·5	20·5	4 20	19·8	1 40	21·6	20
20·5	20·7	20·8	20·8	20·8	20·7	20·5	20·5	20·7	20·8	3 40	19·7	6 50	22·1	21
20·5	20·6	20·6	20·7	20·7	20·7	20·7	20·7	20·8	20·7	3 40	19·4	7 30	21·9	22†
20·6	20·7	20·9	20·9	20·7	20·7	20·9	20·9	20·9	20·7	4 38	19·6	1 30	21·3	23†
20·8	20·8	20·8	20·7	20·8	20·8	20·8	20·8	20·9	20·8	9 10	20·3	1 38	21·6	24†
20·9	20·8	20·8	20·8	20·8	20·8	20·9	20·9	20·9	**21·1**	10 0	20·0	7 0	22·5	25†
20·8	20·9	20·7	20·5	20·0	20·1	20·4	20·6	20·7	20·7	18 50	19·8	11 38	21·6	26
20·6	20·8	20·8	20·8	20·8	20·8	20·9	21·1	21·3	20·9	8 22	20·1	3 56	21·5	27
20·8	20·8	20·8	20·8	20·9	20·9	21·3	21·3	21·5	21·1	5 10	19·7	23 59	23·4	28
19·5	19·8	19·9	19·9	19·9	19·9	20·1	20·2	20·4	20·1	7 8	**16·9**	1 48	**24·4**	29††
20·5	20·6	20·7	20·6	20·5	20·4	20·5	20·6	20·6	20·9	20 7	20·3	6 28	22·9	30
20·5	20·5	20·5	20·3	20·3	20·2	20·3	20·5	20·6	20·5					Mean.
20·6	20·7	20·7	20·7	20·7	20·6	20·7	20·7	20·8	20·8					Mean.†
20·3	20·4	20·2	19·9	19·9	19·9	20·1	20·3	20·6	20·2					Mean.††

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20·5	20·5	20·5	20·5	20·5	20·6	20·5	20·5	20·5	20·6	4 24	19·0	6 50	22·1	1
20·7	20·7	20·7	20·8	20·7	20·5	20·4	20·1	20·4	20·9	21 52	19·9	7 0	**23·0**	2
20·4	20·6	20·8	20·8	20·6	20·6	20·6	20·9	21·0	20·7	3 44	19·9	8 30	22·1	3
20·7	21·1	20·9	20·9	20·8	20·7	20·5	20·5	20·7	21·0	21 2	20·3	8 44	22·0	4††
20·6	20·6	20·7	20·6	20·5	20·5	20·3	20·1	20·5	20·9	21 44	19·8	8 46	22·1	5
20·5	20·6	20·6	20·3	19·9	19·9	19·9	19·9	20·0	20·6	22 0	19·8	9 46	21·5	6
20·7	20·8	20·6	20·3	20·1	19·8	19·9	20·1	20·5	20·7	20 10	19·5	9 42	22·2	7
20·6	20·7	20·7	20·6	20·6	20·6	20·6	20·6	20·7	20·7	7 50	19·7	10 10	22·0	8
21·0	21·0	21·0	20·9	20·6	20·4	20·4	20·6	20·7	20·6	6 24	19·3	12 49	21·6	9†
20·8	20·8	20·8	20·8	20·8	20·8	20·8	20·8	20·8	20·9	8 54	20·2	11 50	21·9	10†
20·6	20·7	20·6	20·6	20·6	20·6	20·6	21·0	21·3	20·8	4 54	19·1	2 0	21·9	11
20·7	20·6	20·6	20·4	20·2	20·0	20·3	20·3	20·8	21·0	20 14	19·8	1 44	22·2	12††
21·0	21·0	20·9	20·8	20·5	20·5	20·5	20·8	21·2	21·0	6 38	19·3	1 50	22·8	13††
20·6	20·9	20·8	20·7	20·6	20·7	20·8	20·9	20·9	21·0	9 22	19·9	2 42	22·6	14
20·7	20·9	20·9	20·9	20·9	20·9	20·9	21·0	21·1	21·1	14 50	20·6	4 37	22·0	15
21·0	21·0	20·9	21·0	20·9	20·8	20·7	20·6	20·8	21·1	21 50	20·5	6 44	22·1	16
20·8	20·9	21·3	21·3	21·0	20·9	21·0	21·1	21·3	20·9	9 0	19·9	2 16	22·0	17
20·9	21·0	20·9	21·0	20·9	20·9	20·9	20·9	21·0	21·1	11 10	20·6	2 2	21·7	18
20·9	20·9	21·0	21·1	21·0	21·0	21·0	21·2	21·3	21·1	9 34	20·3	2 6	21·7	19†
20·7	20·8	20·9	20·9	21·0	21·0	20·8	21·0	21·6	21·2	8 30	20·5	2 52	22·4	20
20·8	20·7	20·6	20·5	20·6	20·6	20·6	20·6	20·8	21·1	21 30	20·4	2 30	22·8	21
20·8	20·8	20·8	20·9	20·8	21·0	21·1	21·1	20·9	**21·4**	15 30	20·8	3 30	22·2	22†
20·6	20·7	21·0	20·9	20·7	20·6	20·5	20·5	20·7	20·9	4 50	20·4	11 30	21·9	23
20·6	20·8	20·9	21·0	21·0	21·1	21·2	21·1	21·1	21·0	5 18	20·2	10 44	21·8	24†
20·8	20·9	21·1	21·1	21·1	21·0	21·2	21·4	21·4	21·0	4 30	19·4	10 30	22·2	25
20·9	21·1	21·2	21·1	21·1	21·1	20·9	20·9	21·1	21·1	6 30	19·9	1 52	22·1	26
20·6	20·8	21·0	20·8	20·3	20·3	20·5	20·3	20·5	20·8	3 34	19·9	12 30	22·2	27††
19·8	19·6	19·7	19·9	20·0	20·0	20·0	20·3	20·9	**20·1**	13 10	19·1	2 34	22·7	28††
20·3	20·2	20·5	20·5	20·6	20·8	21·1	21·0	20·9	20·3	10 0	**17·8**	2 30	21·7	29
20·7	20·8	20·8	20·8	20·7	20·5	20·5	20·7	20·8	20·6	4 2	18·8	6 30	21·9	30
21·2	21·1	21·1	20·7	20·4	20·4	20·4	20·4	20·5	20·7	4 30	19·0	12 50	21·9	31
20·7	20·8	20·8	20·7	20·6	20·6	20·6	20·7	20·9	20·9					Mean.
20·8	20·8	20·9	20·9	**20·8**	20·8	20·8	20·9	20·9	21·0					Mean.†
20·5	20·6	20·6	20·6	**20·4**	20·5	20·4	20·5	20·9	20·8					Mean.††

*See footnote on page B-7.
†Five international quiet days.
†† Five international disturbed days.

HORIZONTAL FORCE, 1936.

(Averages for sixty minutes centred at the full hours of Greenwich mean time.)

JANUARY. 37000γ PLUS TABULAR QUANTITIES.

Date.	Hours (G. M. T.)														
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14
	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ
1	549	551	551	554	559	568	568	566	565	565	563	557	554	556	556
2	549	552	553	550	551	555	561	562	563	565	563	558	556	558	557
3†	552	549	548	545	544	557	574	580	584	588	581	572	562	561	560
4†	557	557	555	551	547	549	555	554	552	552	556	557	560	560	561
5	556	557	555	560	569	581	589	598	595	586	578	574	569	565	565
6†	556	557	562	569	577	586	598	596	591	586	584	576	569	565	560
7†	568	570	577	584	593	591	599	595	594	589	585	579	573	572	572
8††	576	580	580	591	617	**635**	633	610	595	588	581	571	555	544	520
9	552	557	559	561	570	584	580	579	565	565	556	541	537	539	544
10	549	551	557	562	568	579	580	569	572	565	550	533	529	520	525
11	544	549	552	560	573	581	584	584	583	563	555	541	544	544	544
12	554	558	561	563	566	568	578	585	587	581	565	546	532	517	520
13	555	559	568	574	577	582	588	583	576	568	565	553	547	544	540
14	552	553	551	548	547	552	566	573	573	559	557	548	543	552	565
15	559	559	560	563	569	575	584	589	579	570	569	566	561	558	555
16†	561	562	567	576	586	592	595	596	597	591	586	580	571	564	561
17	557	556	561	564	573	580	586	593	590	586	579	570	563	560	560
18††	571	579	585	582	573	579	587	591	574	563	549	536	528	519	530
19	549	550	553	555	557	567	579	584	580	573	565	563	558	553	545
20	553	554	555	557	558	563	571	578	574	564	562	563	558	557	556
21	550	554	557	559	568	574	580	580	579	573	577	576	571	566	559
22	553	551	551	553	556	561	573	575	567	571	562	553	544	553	554
23	543	551	552	558	563	569	583	594	576	566	567	571	574	572	568
24††	558	556	564	563	572	584	590	597	595	584	579	577	570	570	565
25††	503	502	502	516	529	540	541	533	530	517	509	510	510	505	487
26††	529	541	539	545	552	559	566	563	547	539	529	533	519	539	533
27	541	541	543	548	553	554	566	570	568	558	553	551	547	544	535
28	553	553	550	549	564	571	570	569	569	571	569	561	551	543	545
29	548	550	552	550	555	563	575	577	575	574	573	571	567	561	560
30	550	551	549	549	556	568	579	585	591	592	581	563	439	539	542
31	543	552	545	546	551	558	568	574	569	565	561	559	554	553	555
Mean . .	551	553	555	558	564	572	579	**580**	576	570	565	558	552	550	548
Mean † .	561	560	563	566	571	576	**586**	585	584	582	579	573	567	564	562
Mean †† .	541	546	549	555	565	576	**581**	577	566	557	548	545	537	536	528

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1†	556	449	548	552	558	556	564	569	574	577	573	565	560	556	555
2	553	555	554	556	567	576	586	587	582	580	575	564	560	559	558
3	539	541	548	550	553	559	564	575	575	569	564	560	558	555	560
4	556	566	570	575	585	593	596	594	573	552	548	542	543	546	546
5†	551	557	564	572	577	580	585	591	590	579	575	569	558	552	548
6	561	567	568	569	580	593	604	605	598	580	567	561	559	561	566
7†	561	565	569	579	590	599	605	608	606	602	593	585	577	572	570
8	567	568	566	565	574	590	606	609	602	592	581	569	569	572	573
9	564	564	563	562	570	580	590	600	601	591	575	572	565	541	539
10	550	547	549	548	558	580	590	595	597	587	570	559	544	548	556
11	550	551	553	561	569	586	595	604	600	587	566	555	552	550	553
12	555	556	556	558	570	591	611	**622**	616	602	587	571	563	557	558
13†	567	568	565	563	567	580	588	594	593	591	590	580	574	569	565
14	565	568	565	569	574	585	597	604	600	592	597	584	582	588	586
15	546	547	545	548	554	569	581	588	586	576	566	553	536	538	548
16††	547	559	554	556	561	569	576	578	575	564	549	537	510	533	541
17††	558	548	541	544	530	528	542	551	548	547	550	544	531	526	510
18	517	520	521	527	541	555	559	557	553	548	540	433	530	537	532
19††	543	543	544	547	549	553	566	567	563	558	553	531	520	523	524
20	523	525	530	535	547	557	569	576	572	562	557	552	548	547	545
21††	535	537	544	558	571	578	579	582	583	579	560	537	537	523	497
22††	523	531	549	567	569	571	586	595	577	549	541	539	535	526	524
23	539	540	542	552	564	576	582	584	584	573	562	553	546	543	533
24	549	541	542	543	550	558	569	577	579	574	563	556	545	545	551
25	548	550	553	568	583	599	607	611	603	589	576	569	565	556	533
26	541	541	549	560	571	584	589	591	593	586	569	548	537	535	527
27	538	533	532	537	545	558	560	574	576	567	558	557	547	539	531
28†	542	541	545	552	562	579	592	598	599	591	583	571	563	560	556
29	555	556	556	558	570	584	595	598	595	584	571	566	567	560	560
Mean .	548	549	551	556	564	575	584	**589**	586	577	568	558	551	549	546
Mean† .	558	558	560	566	572	580	588	593	**593**	589	583	572	566	561	558
Mean†† .	537	539	542	551	553	557	568	**573**	568	558	550	537	526	527	520

†Five international quiet days.

††Five international disturbed days.

(Averages for sixty minutes centred at the full hours of Greenwich mean time.)

JANUARY. 37000γ PLUS TABULAR QUANTITIES.

Hours (G. M. T.).									Mean.*	Maximum.		Minimum.		Date.
15	16	17	18	19	20	21	22	23		Time.	Mag.	Time.	Mag.	
γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	H. M.	γ	H. M.	γ	
548	547	550	553	558	555	553	552	551	556	5 26	569	15 18	544	1
549	549	558	553	554	553	552	553	552	565	9 10	566	16 8	547	2
553	548	547	551	555	557	557	557	556	560	9 10	589	3 39	542	3†
561	557	557	561	557	560	561	561	557	556	21 8	565	4 14	545	4†
560	557	556	560	560	558	558	559	558	567	7 19	605	2 12	555	5
558	553	551	555	558	663	563	564	565	570	6 18	599	17 0	551	6†
570	567	567	567	570	571	574	574	574	**578**	6 14	601	16 42	566	7†
514	516	526	533	539	543	544	544	549	566	5 37	**644**	14 15	511	8††
544	545	546	541	541	545	544	543	546	553	5 14	586	11 30	536	9
535	529	526	539	546	540	539	540	541	548	5 46	583	13 6	514	10
546	554	546	549	550	553	554	555	553	557	7 28	587	12 20	539	11
532	531	537	537	548	565	556	554	555	554	7 57	591	13 24	510	12
535	543	545	544	562	555	548	544	548	558	5 40	591	15 6	528	13
556	554	548	547	547	552	552	555	563	555	7 4	576	12 8	542	14
553	556	557	560	560	557	557	557	561	564	7 1	592	14 30	553	15
559	557	558	557	561	561	562	561	560	572	7 42	598	17 36	554	16†
560	561	561	562	564	566	565	565	565	569	7 6	594	1 0	555	17
525	534	530	539	528	525	534	541	542	551	6 50	593	12 54	515	18††
539	538	539	544	557	554	547	546	548	556	7 22	586	15 42	534	19
552	546	543	544	542	544	551	546	548	556	7 18	579	19 38	536	20
549	549	551	549	543	543	558	542	540	560	6 40	582	19 58	536	21
551	549	540	537	543	533	535	538	540	551	8 4	575	17 46	530	22
567	569	567	566	566	564	563	567	566	567	6 42	597	0 2	541	23
562	559	559	518	495	**463**	479	509	483	551	7 26	600	20 38	**451**	24††
475	513	517	522	525	525	530	532	533	**518**	5 34	551	14 40	471	25††
536	524	527	538	540	541	555	548	540	541	21 14	577	11 50	512	26††
531	534	540	546	545	546	545	550	558	549	7 34	571	14 48	527	27
542	545	548	545	549	544	547	545	548	554	5 14	577	12 58	539	28
556	551	546	548	552	548	551	548	553	559	7 2	579	17 38	539	29
543	542	540	547	544	548	556	550	545	556	9 2	596	12 22	534	30
550	547	554	552	548	549	556	551	553	555	6 38	576	0 2	536	31
545	546	546	547	549	548	550	550	550	557					Mean.
560	556	**555**	557	559	561	562	562	561	567					Mean.†
523	531	534	533	529	**523**	533	540	534	545					Mean.††

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550	548	549	549	550	548	555	555	553	557	9 2	578	19 48	547	1†
559	551	542	526	521	515	520	529	535	554	6 20	589	19 32	511	2
559	554	547	544	549	553	556	557	556	557	8 10	577	0 8	537	3
544	532	531	535	544	547	545	548	551	557	6 34	601	16 26	529	4
550	553	553	554	556	559	558	558	559	565	7 40	594	13 42	546	5†
565	560	557	559	557	557	557	557	559	569	6 52	607	20 18	555	6
567	565	564	561	564	562	564	563	566	**578**	7 0	610	18 28	559	7†
573	568	564	558	551	548	548	559	560	572	6 32	610	20 44	545	8
543	551	556	562	562	558	560	555	551	565	8 12	607	13 2	535	9
545	544	552	544	545	556	556	551	551	559	7 40	601	15 24	532	10
552	551	553	553	552	554	551	555	556	563	6 58	606	12 32	547	11
553	556	555	558	565	564	565	565	565	572	6 58	**624**	14 30	550	12
563	562	561	564	564	565	563	564	565	572	6 44	595	16 58	559	13†
569	539	522	535	539	553	550	547	546	569	7 10	605	16 40	518	14
549	532	532	540	546	546	553	551	548	553	7 0	589	16 20	527	15
538	512	515	527	533	533	547	559	559	547	7 20	579	11 46	499	16††
507	497	495	500	531	512	514	523	517	**528**	0 0	559	16 28	**487**	17††
525	527	538	530	527	531	539	539	540	537	5 40	560	0 6	516	18
521	531	511	505	521	512	535	525	525	536	6 20	571	18 41	499	19††
541	539	546	542	535	534	535	541	535	546	7 10	577	0 10	521	20
492	503	511	533	527	530	522	517	521	540	7 30	585	15 8	487	21††
513	511	528	535	537	535	545	555	540	546	7 10	598	15 36	502	22††
527	515	508	514	529	535	530	533	537	546	7 40	588	17 24	508	23
552	546	541	541	543	546	553	554	551	553	7 32	581	17 22	537	24
534	546	541	544	543	547	531	532	541	561	7 14	613	21 10	527	25
514	502	511	502	518	534	523	526	530	545	7 20	597	18 26	497	26
526	525	524	530	531	534	545	545	542	544	7 16	579	16 54	520	27
556	553	551	552	552	553	553	554	553	563	7 42	601	0 16	540	28†
556	541	545	552	551	549	551	549	560	564	6 24	601	16 16	539	29
543	538	**538**	540	543	544	546	547	547	556					Mean.
557	555	**554**	555	556	556	557	557	557	567					Mean.†
515	**512**	514	522	533	528	536	540	537	539					Mean.††

*The daily mean value of horizontal force derived from 24 hourly values has been corrected for progressive change by adding 1/48th of the difference between the values at the terminal and initial hours.

†Five international quiet days.

††Five international disturbed days

(Averages for sixty minutes centred at the full hour of Greenwich mean time.)

MARCH. 37000γ PLUS TABULAR QUANTTIES.

Date.	Hours (G. M. T.)														
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14
	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ
1	559	561	564	576	593	600	607	613	601	582	580	576	574	572	570
2	563	564	569	576	584	593	605	613	607	601	592	483	577	574	570
3†	568	569	575	587	595	611	618	623	614	606	597	593	589	586	582
4†	578	578	583	591	603	616	623	633	632	622	608	603	598	595	590
5	577	575	580	585	599	617	632	632	623	608	594	587	585	583	577
6	577	577	578	584	595	611	627	639	639	622	604	590	583	574	574
7†	563	565	566	577	595	613	619	521	625	614	600	590	582	573	567
8	575	575	583	596	612	621	631	640	**643**	635	619	601	572	571	572
9	563	564	566	677	599	619	632	638	629	615	602	590	579	551	556
10	561	566	573	580	587	603	614	616	619	607	588	574	561	561	564
11†	572	573	576	589	608	726	635	638	629	614	602	597	589	584	581
12†	583	583	584	592	608	620	630	636	633	019	606	594	585	579	574
13	580	580	583	590	600	615	628	631	626	612	603	595	591	592	589
14	578	579	581	592	612	625	634	637	627	609	599	592	588	587	586
15	571	573	571	573	594	607	619	621	610	604	597	586	580	581	576
16	570	569	569	577	593	597	605	603	603	597	593	590	588	581	574
17	563	565	571	563	575	591	604	604	600	593	583	578	573	573	572
18	572	570	569	577	591	608	618	620	604	591	585	575	563	567	567
19	558	561	564	576	593	612	624	629	621	610	599	585	572	566	563
20††	563	563	569	578	592	606	606	605	601	582	568	567	550	529	526
21††	549	549	542	566	572	581	593	585	584	579	545	**511**	516	515	526
22	538	539	543	562	579	593	602	601	595	588	578	562	552	546	538
23††	558	558	559	567	577	575	570	573	563	563	562	543	550	552	554
24††	540	554	556	569	582	605	601	600	603	593	575	569	563	554	530
25††	550	547	539	544	556	575	589	587	575	570	566	553	549	545	530
26	557	546	537	546	565	583	593	596	590	583	575	563	562	557	553
27	550	546	550	564	589	613	626	629	630	609	585	564	543	541	538
28	542	542	548	551	557	571	587	600	598	588	575	565	561	561	560
29	561	563	563	566	583	593	603	602	595	584	574	563	550	541	539
30	558	553	551	558	576	602	619	614	603	598	589	577	572	573	573
31	569	573	575	586	604	625	635	627	609	595	583	572	569	568	563
Mean . .	563	564	566	575	589	604	614	**616**	611	600	588	577	570	566	562
Mean† .	576	576	579	589	604	619	627	**632**	628	616	603	595	589	583	578
Mean†† .	549	552	550	563	574	588	**591**	589	584	577	563	548	546	539	533

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1	584	585	591	603	619	638	648	649	640	620	613	600	593	591	585
2	567	565	568	582	600	615	623	624	615	607	597	589	583	579	574
3	572	571	575	595	635	660	673	667	649	633	615	597	589	590	584
4	557	550	547	555	562	569	572	567	563	572	568	568	568	566	563
5†	565	565	571	587	607	627	635	630	618	606	593	583	576	571	563
6†	573	574	580	594	621	648	660	659	635	606	587	579	586	587	586
7	585	589	596	610	638	669	**685**	682	668	650	621	596	574	561	548
8	578	580	591	609	631	652	651	645	623	605	593	573	553	533	548
9	570	574	574	580	596	615	626	641	640	632	620	600	586	579	581
10†	573	573	580	593	615	631	640	631	625	616	608	597	588	586	582
11	578	578	583	590	607	625	635	632	624	602	585	575	571	568	572
12	571	571	567	573	591	617	626	630	629	618	604	579	570	574	569
13	571	568	568	580	600	613	632	643	632	615	601	598	587	581	569
14	564	565	571	586	603	627	637	638	619	608	597	587	587	583	578
15	556	560	566	577	596	609	617	601	583	561	550	545	527	533	542
16	558	552	551	555	571	592	600	600	596	586	580	576	573	571	566
17	561	561	565	573	592	611	619	615	599	585	575	570	566	567	568
18††	548	558	561	565	570	580	579	573	563	572	572	568	562	552	539
19††	549	552	551	555	561	586	588	593	595	581	554	532	533	526	531
20††	546	545	526	530	556	582	591	591	577	561	548	537	527	507	494
21††	533	532	528	535	550	579	582	580	558	525	528	533	509	494	**489**
22††	539	523	519	532	540	560	577	559	544	514	506	512	510	505	510
23	540	541	542	540	560	566	574	593	574	559	561	548	545	544	539
24	545	547	553	559	573	585	582	589	584	572	569	568	557	551	546
25	559	559	553	562	578	598	609	614	605	596	586	573	547	548	549
26†	560	560	564	576	591	607	614	619	612	603	586	580	578	574	570
27	569	572	581	594	605	621	630	630	625	615	603	598	592	587	579
28	581	581	585	593	603	607	608	609	607	592	597	579	576	571	566
29†	567	572	581	595	609	619	630	630	626	615	601	585	577	577	572
30	577	578	584	602	624	635	637	635	623	602	597	592	584	579	577
Mean .	563	563	566	576	593	611	**619**	619	609	594	584	574	566	561	558
Mean† .	572	573	579	592	612	629	**639**	636	625	611	596	585	581	579	574
Mean†† .	542	542	536	543	555	576	**583**	579	568	550	541	537	528	516	**512**

† Five international quiet days.

†† Five international disturbed days.

(Averages for sixty minutes centred at the full hours of Greenwich mean time.)

MARCH. 37000γ PLUS TABULAR QUANTITIES.

Hours (G. M. T.)									Mean.*	Maximum.		Minimum.		Date.
15	16	17	18	19	20	21	22	23		Time.	Mag.	Time.	Mag.	
γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	H. M.		H. M.	γ	
566	562	559	561	562	559	558	560	561	574	7 12	617	20 36	557	1
565	563	564	566	564	561	558	564	567	577	7 10	616	21 20	558	2
580	576	575	574	575	573	575	575	575	587	7 0	624	0 20	568	3†
584	580	580	580	581	582	581	578	581	595	7 26	637	23 59	576	4†
565	568	569	572	571	573	573	573	573	587	6 14	636	15 12	562	5
572	562	562	565	570	568	566	564	563	586	7 42	644	23 44	559	6
566	564	565	567	568	569	571	571	571	583	7 38	627	15 38	562	7†
552	542	545	550	557	561	560	565	564	585	7 52	649	15 42	532	8
548	537	543	555	553	557	562	561	560	577	6 46	641	16 18	533	9
564	568	567	567	566	568	568	569	571	579	7 34	622	0 2	559	10
577	573	572	574	577	577	578	579	580	592	6 50	638	17 10	570	11†
569	565	567	570	572	574	576	579	580	591	7 0	638	16 15	564	12†
583	583	580	582	581	574	576	577	578	593	6 26	636	19 34	573	13
581	576	567	561	566	573	574	572	575	591	7 12	338	17 42	559	14
571	568	568	557	551	554	560	571	571	581	6 36	623	19 38	548	15
570	565	566	561	561	560	561	561	560	578	5 46	607	18 20	559	16
566	560	557	561	563	565	575	569	569	575	6 0	606	16 44	553	17
565	561	560	558	547	543	546	555	556	573	6 17	624	20 44	539	18
563	566	567	567	566	576	567	566	561	581	6 50	630	0 0	555	19
538	532	524	529	539	543	549	553	551	561	5 22	610	13 30	521	20††
526	527	531	532	536	537	544	540	538	547	5 48	597	10 48	507	21††
545	541	545	547	547	556	566	556	557	562	6 28	605	0 30	536	22
552	537	521	519	566	539	536	539	543	553	4 23	582	17 58	513	23††
524	538	543	543	548	541	542	547	543	561	5 22	618	14 22	508	24††
531	539	542	546	547	545	546	554	557	554	6 16	595	14 16	524	25††
551	552	552	548	552	554	549	559	551	561	6 26	599	2 12	535	26
538	540	540	536	536	562	548	544	541	565	7 40	632	18 40	532	27
555	544	554	555	555	551	554	554	556	503	7 34	603	1 8	540	28
542	548	552	555	555	556	559	557	558	565	6 10	605	13 40	538	29
571	570	568	569	569	569	571	573	571	577	6 26	620	1 46	550	30
565	563	567	567	571	568	573	579	583	583	6 20	638	13 46	561	31
560	557	557	558	560	561	562	563	563	575					Mean.
574	570	571	572	573	573	574	574	575	589					Mean †
535	536	533	535	550	543	545	549	549	555					Mean††

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552	524	512	527	530	539	545	554	561	583	6 42	652	17 32	506	1
571	566	567	575	572	574	561	580	572	585	6 50	626	21 24	555	2
577	565	552	544	527	527	550	541	539	588	5 48	677	19 54	519	3
563	561	560	561	563	564	564	564	564	563	5 44	575	2 14	546	4
559	559	559	561	561	563	566	569	572	582	6 2	638	15 14	559	5†
587	583	579	584	580	577	580	579	582	597	6 32	665	0 6	572	6†
539	549	556	556	561	569	570	572	574	596	6 38	688	14 56	538	7
556	555	555	556	566	567	568	565	565	584	5 27	658	13 14	530	8
579	577	575	574	573	577	578	572	572	591	6 48	648	0 10	571	9
573	572	572	572	573	574	572	573	576	592	5 52	643	16 44	571	10†
571	572	571	573	581	580	575	575	573	587	5 50	637	13 6	569	11
561	559	562	548	547	557	561	571	566	580	6 40	632	18 30	547	12
562	556	556	558	555	556	563	562	562	583	7 18	648	16 34	546	13
573	571	569	561	558	561	541	546	553	583	6 53	641	21 18	536	14
549	539	531	532	537	552	554	559	555	560	6 10	622	11 52	525	15
560	561	558	557	559	560	564	561	561	569	5 37	606	2 28	551	16
568	563	564	562	557	549	566	555	551	573	6 34	625	23 45	545	17
532	514	514	510	518	547	533	532	535	550	5 42	589	18 6	508	18††
522	524	536	540	544	547	547	561	541	552	6 50	600	15 22	519	19††
503	521	518	519	532	523	525	546	537	539	6 13	599	14 19	491	20††
500	520	524	524	534	540	530	541	554	534	7 18	587	13 54	487	21††
521	513	521	541	532	540	540	539	535	531	5 48	586	13 54	498	22††
516	518	528	529	530	531	544	542	545	546	6 50	598	15 18	510	23
544	542	543	545	548	552	553	553	554	559	7 24	593	15 52	5 9	24
549	551	552	556	554	553	559	566	561	568	6 41	617	12 18	545	25
569	567	565	567	565	567	568	569	568	579	6 38	618	0 50	560	26†
577	578	580	584	579	581	574	577	576	592	6 20	632	0 20	569	27
566	562	554	551	552	557	561	571	565	579	6 56	612	17 44	549	28
571	571	571	571	573	573	574	576	577	588	6 32	633	0 0	569	29†
572	573	574	575	575	575	577	579	575	591	5 54	638	15 2	570	30
555	553	553	554	555	558	559	562	561	573					Mean.
571	569	567	569	567	568	569	569	571	587					Mean.†
516	519	523	527	532	541	535	543	541	541					Mean.††

†Five international quiet days.
††Five international disturbed days.
*See footnote on page B-19.

(Averages for sixty minutes centred at the full hour of Greenwich mean time.)

MAY. 37000γ PLUS TABULAR QUANTITIES.

Date.	Hours (G. M. T.)														
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14
	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ
1	569	575	572	578	589	600	606	603	609	601	592	581	570	563	566
2	576	576	579	596	624	633	632	621	612	603	595	583	573	567	563
3	579	577	583	601	618	635	647	647	635	625	615	606	598	594	592
4	602	607	605	618	638	649	647	639	624	620	609	595	590	582	566
5	559	562	573	594	615	634	638	632	613	600	589	577	571	570	569
6	581	582	583	589	599	608	611	612	602	592	589	583	587	585	575
7†	578	580	581	589	605	625	635	635	631	616	604	589	581	581	582
8†	581	586	602	623	640	657	657	645	628	618	601	597	590	586	580
9†	581	584	595	613	642	661	**674**	671	657	643	628	617	604	596	588
10	586	587	591	603	619	642	649	647	645	632	614	600	584	577	583
11††	582	585	584	599	604	625	638	641	646	618	610	612	613	603	600
12††	569	578	581	592	610	624	635	627	605	588	593	582	562	555	550
13	552	554	554	564	580	591	601	604	599	592	585	580	579	575	569
14	568	571	573	582	598	620	637	643	634	615	602	584	573	567	557
15	557	559	563	563	565	577	598	608	597	575	577	567	563	565	567
16	565	565	565	578	593	601	611	615	592	575	559	559	551	513	525
17	557	553	553	559	571	588	596	588	583	577	573	564	562	561	557
18††	561	561	559	569	586	612	628	607	584	577	570	567	558	545	552
19††	564	558	561	567	589	603	604	607	601	589	569	551	534	549	544
20	552	554	561	568	577	599	612	613	599	574	577	574	570	567	563
21	564	567	570	573	587	597	605	618	616	609	593	582	570	564	568
22	569	573	579	586	606	627	641	644	634	617	594	581	573	567	563
23†	570	567	567	583	608	623	638	639	627	609	594	581	575	572	571
24†	572	574	581	591	602	616	625	626	620	613	599	590	587	582	580
25	583	586	591	606	618	632	642	642	635	628	616	602	591	588	587
26	580	583	595	608	621	632	643	647	644	622	597	572	555	542	451
27	570	577	592	608	619	629	639	640	625	600	581	575	574	568	570
28	576	579	591	610	636	640	635	631	626	610	597	589	579	573	571
29††	579	582	586	595	615	633	633	634	622	611	582	566	543	516	**513**
30	552	558	568	578	585	594	601	598	599	597	586	575	567	564	559
31	590	593	599	613	608	616	628	630	624	608	590	578	563	559	560
Mean .	572	574	579	590	605	620	**629**	627	618	605	593	583	574	567	**566**
Mean† .	579	580	587	601	621	638	**647**	644	633	620	605	595	587	583	580
Mean†† . .	564	567	568	579	596	616	**625**	621	610	595	584	575	562	554	553

JUNE.

1††	578	585	591	600	622	638	646	635	616	591	561	531	535	547	547
2††	570	577	597	606	606	603	606	617	621	603	597	601	593	581	578
3	564	558	563	576	584	588	586	583	568	565	558	555	554	556	557
4	583	578	577	583	593	611	620	617	618	607	591	584	578	575	571
5†	578	578	583	592	603	616	620	625	617	603	591	585	577	569	568
6†	576	579	584	591	603	620	633	637	633	621	606	591	586	582	578
7	584	585	590	600	616	634	643	652	650	636	612	593	594	591	591
8	586	583	587	590	600	616	628	634	631	626	615	604	588	577	575
9††	587	592	603	617	589	595	598	581	572	540	526	543	561	569	520
10††	551	560	571	574	580	602	590	595	594	593	589	567	558	553	555
11	556	559	557	563	569	583	601	612	610	603	589	576	567	560	565
12	571	575	577	575	581	591	601	596	600	593	587	579	577	575	573
13	575	573	572	574	586	594	606	611	608	604	596	591	587	586	580
14	577	580	583	589	605	631	637	627	626	614	590	579	574	566	570
15	583	574	578	578	591	609	623	627	626	595	590	588	578	578	579
16	574	575	582	598	608	620	628	627	617	605	587	564	558	566	568
17	574	581	593	604	618	628	627	625	616	605	591	582	578	576	576
18	575	581	587	598	608	622	627	628	623	617	613	598	588	592	596
19††	587	590	581	537	512	503	509	481	466	446	428	412	**409**	425	452
20	531	553	570	583	588	634	616	606	581	578	569	561	559	550	547
21	553	558	571	590	614	631	636	631	624	611	597	585	574	567	565
22	567	570	583	596	614	622	627	626	617	605	593	580	573	573	571
23†	571	574	579	587	599	609	618	618	609	606	601	587	580	577	573
24	583	586	591	602	611	629	645	653	654	648	637	620	603	590	587
25	585	584	581	594	616	641	649	649	648	638	622	603	588	584	582
26	591	594	598	609	631	648	657	660	654	640	623	618	608	602	597
27	565	566	580	596	609	624	639	641	637	631	616	602	592	588	584
28	580	592	595	599	608	622	635	630	639	636	634	621	609	599	596
29†	595	600	610	623	639	659	671	**673**	665	654	638	623	611	600	597
30†	587	588	595	609	621	634	641	642	639	632	619	610	600	592	591
Mean . .	575	578	584	591	601	615	**622**	621	616	605	592	581	575	571	570
Mean.† . .	583	585	591	601	614	629	638	**640**	633	624	611	599	591	584	581
Mean†† . .	565	571	581	579	575	583	**585**	577	571	552	538	**530**	531	536	532

†Five international quiet days.
††Five international disturbed days.

(Averages for sixty minutes centred at the full hour of Greenwich mean time.)

MAY. 37000γ PLUS TABULAR QUANTITIES.

Hours (G. M. T.)									Mean.*	Maximum.		Minimum.		Date.
15	16	17	18	19	20	21	22	23		Time.	Mag.	Time.	Mag.	
γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	H. M.	γ	H. M.	γ	
570	568	570	571	572	573	575	576	577	580	7 18	617	13 10	561	1
564	566	568	571	572	570	572	574	577	586	5 30	638	14 30	562	2
589	587	586	590	589	591	588	587	596	603	6 4	652	0 42	576	3
545	555	563	568	569	560	561	562	560	592	5 18	652	15 18	541	4
567	570	572	573	573	575	576	576	581	586	5 34	641	0 6	557	5
575	575	576	584	582	579	578	578	577	587	5 46	615	13 50	574	6
582	581	579	580	581	583	581	579	579	593	6 34	639	22 46	577	7†
578	577	579	583	583	582	581	581	581	601	5 10	663	15 34	578	8†
587	586	586	586	586	586	586	586	586	**610**	6 20	**676**	0 10	582	9†
589	593	590	571	572	544	541	561	573	595	6 8	653	20 14	531	10
580	583	587	588	585	582	580	577	572	599	7 54	660	23 58	571	11††
552	559	555	556	559	550	554	554	548	576	6 6	640	22 50	546	12††
567	565	567	568	568	567	565	571	567	575	6 54	609	0 14	549	13
558	543	545	546	562	554	554	555	555	579	7 10	647	16 12	541	14
567	566	568	566	565	567	566	564	563	571	6 49	614	0 0	558	15
527	535	536	530	527	541	546	546	555	**559**	7 2	619	13 12	509	16
558	560	559	558	560	565	565	561	564	567	5 52	602	1 46	549	17
547	544	554	553	571	574	565	556	559	569	5 38	633	15 40	540	18††
542	547	549	551	561	563	555	555	552	565	6 24	610	11 54	532	19††
566	558	558	568	559	558	561	559	562	571	6 40	617	0 10	551	20
571	568	565	577	570	567	573	571	572	580	7 14	623	13 6	563	21
564	567	567	569	569	569	570	568	568	586	6 52	647	14 8	562	22
571	573	573	574	574	574	573	572	575	587	6 42	642	1 40	567	23†
580	580	580	579	577	576	577	579	580	590	6 42	629	0 8	573	24†
586	588	584	584	580	580	574	578	580	599	6 46	645	20 26	572	25
561	560	551	560	561	559	563	564	570	585	6 50	649	13 8	541	26
571	572	570	578	577	575	573	570	576	589	6 36	645	13 20	567	27
577	578	578	569	571	574	577	579	579	593	7 34	650	18 0	568	28
533	548	554	551	554	554	547	556	550	573	6 50	638	13 46	**508**	29††
560	560	563	590	596	599	600	593	594	581	21 20	607	0 10	552	30
561	562	565	572	577	579	579	577	577	588	5 35	634	12 56	559	31
566	567	568	570	571	570	570	570	571	584					Mean.
579	579	579	579	579	579	578	**577**	579	596					Mean.†
552	559	563	563	570	569	565	565	562	577					Mean††

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552	554	571	575	573	571	572	571	570	580	5 51	651	11 8	526	1††
578	593	587	577	557	538	534	536	539	583	7 16	625	21 18	528	2††
559	564	566	573	574	573	572	569	577	569	5 12	591	10 30	554	3
568	573	574	574	574	574	576	576	580	585	6 2	623	15 0	566	4
571	573	573	573	573	574	575	576	576	586	6 48	628	13 32	569	5†
577	579	580	582	583	583	582	582	583	594	6 44	639	14 40	576	6†
592	594	591	589	592	590	591	588	587	603	7 37	655	0 58	583	7
572	579	577	570	568	570	570	568	595	592	6 32	637	18 36	563	8
517	531	541	563	553	554	563	560	550	563	2 54	624	14 26	506	9††
556	559	557	552	555	571	558	558	557	569	5 6	615	13 14	545	10††
563	560	563	567	567	569	569	567	567	574	6 38	617	0 12	555	11
573	572	574	574	575	576	575	577	573	580	6 34	603	16 2	571	12
576	577	580	576	579	581	576	571	572	585	6 48	615	2 14	570	13
571	570	566	575	573	569	572	570	577	587	6 14	646	17 2	564	14
571	568	570	583	572	572	571	571	573	585	6 54	632	15 10	567	15
565	571	575	575	576	577	577	573	572	585	5 58	638	11 36	554	16
575	573	573	574	575	576	575	574	573	589	5 40	634	16 32	573	17
592	593	590	589	588	591	586	583	571	597	6 33	632	23 18	554	18
469	495	501	511	513	513	517	520	528	**495**	1 38	619	11 25	**407**	19††
545	542	547	548	546	546	546	547	553	565	4 58	661	0 0	532	20
562	561	563	567	571	573	574	573	571	585	5 54	642	0 0	555	21
570	567	563	566	571	572	571	572	572	585	6 45	633	16 32	564	22
573	572	571	573	574	577	581	580	582	587	6 34	623	15 55	573	23†
591	589	580	576	579	580	583	582	584	603	8 5	658	18 46	577	24
582	584	585	587	588	591	591	590	590	602	6 0	656	1 30	580	25
587	585	588	583	591	583	576	569	566	606	6 42	665	23 52	565	26
582	582	583	585	586	586	585	584	584	597	6 56	646	0 34	564	27
597	598	599	599	599	596	597	601	598	608	8 18	642	0 2	580	28
598	597	592	591	586	583	580	579	583	**614**	6 48	**677**	21 22	581	29†
593	593	592	591	588	586	585	586	589	604	6 40	644	21 28	585	30†
569	572	572	574	573	573	573	572	573	585					Mean.
582	582	581	581	580	579	579	**579**	581	597					Mean.†
537	550	556	561	556	556	556	557	558	558					Mean††

*See footnote on page B-19.
†Five international quiet days.
††Five international disturbed days.

HORIZONTAL FORCE, 1936,

(Averages for sixty minutes centred at the full hours of Greenwich mean time.)

JULY. 37000γ PLUS TABULAR QUANTITIES.

Date.	Hours (G. M. T.)														
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14
	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ
1	591	594	601	613	626	643	654	661	658	642	635	616	601	596	595
2††	608	627	645	658	**675**	655	647	636	616	583	538	493	451	**428**	432
3	535	544	562	571	577	575	569	563	558	559	555	550	548	545	546
4	564	565	571	586	603	616	622	623	617	609	594	587	575	569	568
5	578	581	588	623	633	637	626	621	604	592	562	542	529	526	533
6††	562	567	573	569	574	587	593	599	610	603	591	567	538	523	529
7	570	566	566	578	581	595	608	613	610	593	569	569	573	563	572
8	574	582	588	595	602	617	622	625	625	617	609	599	586	583	581
9	576	578	581	587	595	617	626	633	632	630	626	612	596	589	583
10††	580	585	588	594	616	624	640	639	635	626	620	610	589	580	575
11††	559	556	550	554	569	595	616	612	611	603	585	578	557	548	549
12	574	579	581	585	596	616	633	637	627	621	617	599	585	580	579
13	584	586	599	607	606	613	614	615	617	606	588	581	584	572	567
14†	582	581	587	604	621	633	644	650	643	637	622	609	595	586	585
15†	587	589	597	612	628	651	657	658	654	644	631	614	599	589	587
16	587	590	605	606	620	623	626	632	633	622	610	594	585	583	587
17	606	598	584	595	599	619	629	623	636	631	621	608	592	595	593
18	624	614	622	623	618	620	632	644	635	623	621	609	597	593	589
19	587	586	590	596	608	621	639	651	649	640	629	616	600	587	585
20	588	587	591	604	617	633	638	634	625	616	611	599	586	585	585
21†	589	588	594	607	621	640	646	656	661	655	641	619	603	593	591
22	593	593	597	611	625	648	654	653	648	637	628	611	601	597	591
23†	590	592	603	614	624	637	650	653	648	642	628	610	597	593	593
24†	595	595	600	611	625	638	647	641	634	629	622	609	600	593	591
25	604	608	612	619	632	647	657	660	654	643	630	610	595	591	590
26	600	596	599	600	613	628	642	651	647	639	628	614	603	596	597
27	598	600	606	616	633	651	660	663	666	642	630	615	612	601	596
28	589	595	596	602	616	640	639	641	646	647	627	613	609	608	609
29††	606	609	618	623	633	635	645	675	672	642	604	595	579	561	557
30	572	571	574	587	596	604	624	625	618	608	599	585	572	572	575
31	585	587	592	602	617	630	636	635	635	620	591	591	589	586	584
Mean . .	585	587	592	602	613	625	633	**636**	633	623	608	594	581	575	574
Mean† . .	591	591	598	611	625	641	650	**653**	649	642	629	612	599	590	589
Mean†† .	572	579	586	591	607	613	623	**628**	626	609	586	568	542	528	530

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1	596	593	594	612	625	633	647	657	649	636	621	609	600	592	587
2	592	588	592	599	609	621	639	649	652	644	630	617	604	601	601
3	601	601	605	617	633	642	658	661	661	652	639	631	620	608	600
4	593	594	601	615	621	632	634	635	633	623	607	599	597	596	599
5††	604	603	604	608	616	626	632	633	634	631	624	615	596	584	583
6††	587	591	585	583	584	587	591	600	607	611	610	598	587	583	580
7†	597	598	601	611	625	637	646	650	642	633	626	619	619	615	611
8††	607	610	609	608	613	627	637	633	630	625	619	616	616	610	601
9	599	603	606	617	622	637	643	643	639	631	620	604	588	581	579
10††	594	595	599	606	616	629	635	633	622	619	607	597	581	568	575
11†	595	599	610	619	633	649	657	663	661	644	625	615	605	600	598
12	601	603	612	625	636	646	653	656	655	644	635	629	625	618	615
13	607	607	613	630	647	660	661	646	639	627	618	614	610	601	600
14	601	606	617	630	648	659	663	659	667	663	652	641	630	619	615
15	613	613	617	622	627	637	640	645	638	630	629	623	616	604	598
16	602	601	611	621	634	642	649	645	640	632	625	618	613	611	608
17	598	600	601	608	611	619	628	631	632	630	621	612	607	607	606
18†	601	602	603	605	608	619	632	641	641	637	629	620	610	607	606
19†	608	608	616	630	648	668	673	669	659	646	637	631	624	618	614
20	611	610	613	622	632	643	652	659	654	640	624	618	618	611	609
21	597	602	605	616	634	647	659	655	646	632	619	608	601	601	600
22	604	607	611	618	633	647	659	651	646	636	622	611	603	601	605
23†	607	609	611	615	624	638	642	643	636	630	624	615	610	609	606
24	613	614	622	639	657	673	683	**685**	679	666	654	644	630	619	615
25	613	615	613	616	629	639	654	658	654	648	645	637	633	635	633
26	617	618	621	621	637	654	662	665	660	652	643	635	629	624	624
27	616	614	620	632	643	658	662	677	673	653	637	622	609	597	595
28	610	609	609	615	625	635	641	641	638	643	644	630	620	614	611
29	613	613	620	633	646	649	650	652	647	642	636	630	627	622	619
30††	616	604	599	594	609	625	637	652	659	633	626	619	611	607	606
31	594	601	598	606	610	626	628	629	623	617	611	611	613	611	608
Mean . .	604	604	608	616	627	639	647	**649**	646	637	628	619	611	606	603
Mean† . .	605	606	611	618	629	644	652	**655**	649	639	629	620	613	609	606
Mean†† .	598	597	596	597	605	617	625	629	**630**	623	616	609	598	591	589

† Five international quiet days.
†† Five international disturbed days.

(Averages for sixty minutes centred at the full hours of Greenwich mean Time.)

JULY. 37000γ PLUS TABULAR QUANTITIES.

Hours (G. M. T.)									Mean.*	Maximum.		Minimum.		Date.
15	16	17	18	19	20	21	22	23		Time.	Mag.	Time.	Mag.	
γ.	γ	γ	γ	γ	γ	γ	γ	γ	γ	H. M.	γ	H. M.	γ	
596	598	599	596	596	595	596	601	600	613	7 36	667	0 6	593	1
439	458	488	501	516	520	525	528	531	**548**	4 46	**696**	13 24	**421**	2††
553	558	559	560	563	564	562	562	563	559	3 58	582	0 2	535	3
570	575	575	578	578	579	583	577	577	586	6 50	626	0 12	564	4
540	552	559	560	572	569	567	570	563	576	4 34	650	13 0	525	5
533	536	559	549	549	549	551	572	562	565	8 51	623	12 28	501	6††
574	577	575	570	570	571	573	575	577	579	6 54	617	12 50	561	7
579	578	577	573	573	577	556	575	575	591	6 12	628	18 12	572	8
576	580	580	581	578	573	570	575	579	594	7 32	637	20 48	571	9
569	550	535	547	547	556	562	569	564	587	6 14	647	16 55	533	10††
552	571	573	569	557	563	557	559	563	571	6 14	621	15 36	538	11††
580	581	582	585	587	581	589	603	595	596	6 36	642	0 4	576	12
568	575	575	573	581	578	579	581	581	589	8 8	620	14 13	565	13
584	586	582	583	582	580	583	584	585	601	6 44	653	19 28	579	14†
587	586	586	588	585	585	589	586	585	607	5 6	664	19 30	585	15†
586	586	586	596	589	589	594	600	602	602	7 38	637	12 49	583	16
594	593	593	595	596	595	597	606	623	605	7 36	641	1 56	580	17
585	590	591	593	593	590	594	594	595	607	6 53	650	14 40	585	18
587	590	592	591	591	590	589	588	591	604	7 18	656	13 40	583	19
581	578	583	578	579	585	586	587	589	598	6 10	642	17 34	577	20
591	590	590	591	591	591	591	592	592	609	7 53	664	0 48	589	21†
588	588	591	592	594	594	593	591	590	609	5 31	657	16 7	588	22
592	592	592	594	595	596	597	597	596	609	6 58	655	0 10	592	23†
593	594	598	601	602	604	603	603	605	610	5 44	650	14 4	592	24†
591	592	595	597	597	597	594	605	602	613	6 40	663	14 10	588	25
595	595	594	597	597	597	596	597	598	609	7 0	654	17 12	595	26
593	591	593	593	597	602	594	590	592	**614**	7 28	672	23 52	589	27
597	592	596	601	606	597	598	596	599	611	8 32	651	0 30	588	28
532	537	545	559	563	555	560	571	575	593	6 52	682	15 0	520	29††
576	577	580	581	582	581	583	583	583	588	6 36	631	1 20	569	30
585	587	587	591	591	591	589	590	591	599	7 0	641	14 34	581	31
573	575	578	579	581	581	581	584	585	595					Mean.
589	589	588	590	590	589	591	591	591	607					Mean.†
527	533	545	550	552	555	559	569	568	573					Mean.††

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587	587	588	588	588	588	590	588	589	606	6 58	659	14 18	586	1
600	596	597	599	597	594	592	599	598	609	7 44	656	0 48	588	2
598	595	600	602	599	601	605	598	592	617	7 40	665	23 6	592	3
598	599	601	600	600	599	599	604	603	608	6 44	638	0 39	593	4
573	581	585	582	580	589	588	589	589	602	7 44	638	14 44	573	5††
585	594	595	595	598	596	593	593	594	**593**	9 12	614	14 17	577	6††
609	606	607	607	607	605	605	604	604	616	6 18	651	0 10	598	7†
599	600	600	596	598	586	599	586	591	609	5 44	639	20 18	583	8††
576	579	589	586	587	586	586	588	588	603	6 10	649	15 20	575	9
583	588	588	593	596	594	593	594	595	600	6 32	638	13 12	**567**	10††
596	596	597	599	600	600	600	600	600	615	7 6	669	15 10	596	11†
614	609	607	606	604	605	603	602	605	621	6 45	659	21 23	601	12
600	600	599	601	602	598	598	598	601	616	5 36	666	20 14	596	13
615	613	612	612	612	614	614	614	614	629	8 10	671	0 0	602	14
597	600	601	602	603	600	599	601	601	615	7 4	648	14 30	595	15
607	605	601	600	598	598	596	597	597	615	6 10	652	21 10	598	16
604	603	603	604	603	600	600	604	602	610	8 12	633	0 8	599	17
605	604	605	606	607	607	607	608	610	614	7 34	644	0 40	601	18†
609	607	607	609	607	608	608	609	611	626	5 34	676	16 38	605	19†
603	600	599	597	597	595	597	591	594	616	6 54	661	22 10	591	20
600	601	602	605	606	607	607	608	607	615	6 1	662	0 0	597	21
605	607	607	603	601	600	602	604	605	616	6 14	660	19 26	599	22
605	605	608	609	610	609	608	609	611	617	6 34	646	15 30	604	23†
611	610	610	613	615	614	612	614	614	**634**	7 3	**687**	14 52	608	24
630	625	623	623	622	616	610	616	616	629	7 8	660	21 2	610	25
620	616	616	620	621	620	618	617	618	630	6 57	669	0 14	612	26
599	606	610	610	610	609	606	608	606	624	7 31	684	13 26	592	27
613	612	612	615	613	611	612	615	613	621	9 38	649	1 32	609	28
616	614	617	617	617	618	617	616	623	627	6 49	657	20 37	614	29
599	596	599	594	587	597	605	596	595	610	7 55	665	18 18	581	30††
607	605	603	606	606	599	599	599	600	609	6 36	637	0 0	593	31
602	602	603	603	603	602	602	602	603	615					Mean.
604	603	603	604	604	604	603	603	604	617					Mean.†
589	593	595	594	594	595	599	594	596	603					Mean.††

*See footnote on page B-19.
†Five international quiet days.
††Five international disturbed days.

HORIZONTAL FORCE, 1936.

(Averages for sixty minutes centred at the full hour of Greenwich mean time.)

SEPTEMBER. 37000 γ PLUS TABULAR QUANTITIES

Date.	Hours (G. M. T.).														
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14
	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ
1	603	604	606	619	635	649	651	654	647	635	629	624	619	617	611
2	605	602	598	601	613	628	640	649	651	643	629	620	613	615	607
3†	609	608	612	618	631	642	648	650	644	633	625	622	619	619	617
4	613	609	610	619	638	657	663	672	668	654	643	634	623	619	617
5	611	612	603	599	611	621	625	626	628	627	622	618	615	614	614
6	608	607	606	614	623	634	642	649	653	647	637	628	622	617	615
7†	611	610	611	615	629	644	651	652	651	648	644	636	628	626	624
8	624	623	625	633	650	663	668	670	662	639	630	626	626	624	622
9	609	609	607	613	626	643	655	653	649	635	613	603	601	599	587
10	610	610	607	611	621	622	636	642	639	641	630	614	611	599	591
11††	601	602	601	601	616	628	636	639	639	631	618	603	599	591	571
12	595	593	593	601	614	625	633	636	632	621	611	609	607	607	605
13†	599	601	597	601	619	633	647	653	650	641	630	619	615	617	616
14	609	606	605	613	631	654	670	673	665	652	631	621	610	612	613
15	612	612	608	609	631	658	670	664	658	646	630	612	599	601	597
16†	606	607	600	603	622	645	658	655	649	642	631	623	618	719	619
17	615	613	611	612	622	640	652	655	651	642	634	631	628	624	623
18	634	637	639	646	658	673	679	684	668	643	625	617	607	614	615
19	616	616	621	625	641	665	680	688	685	674	658	642	631	626	625
20	627	627	629	641	655	668	679	689	689	679	660	641	630	627	625
21	623	626	630	645	667	690	**705**	704	694	683	661	651	645	634	628
22	623	627	631	633	649	668	683	684	689	674	661	639	630	626	624
23††	633	632	632	634	651	660	654	635	637	635	623	612	601	593	578
24	601	603	598	599	615	636	649	652	642	630	619	610	604	605	607
25†	605	606	605	606	616	633	644	652	655	647	635	625	620	619	620
26††	612	619	626	618	625	634	646	631	617	604	590	572	551	534	**515**
27††	579	581	586	595	612	627	642	646	645	653	640	619	614	616	614
28	602	601	604	614	628	648	661	660	648	632	618	613	607	610	616
29††	611	606	602	606	632	652	659	654	646	633	617	607	591	576	573
30	602	602	602	610	624	640	658	664	653	640	625	615	611	611	608
Mean . .	610	610	610	615	630	646	656	**658**	653	643	631	620	613	610	607
Mean † . .	610	610	608	611	626	642	652	**655**	652	643	634	625	620	620	619
Mean†† .	601	603	605	606	624	637	**645**	639	635	630	617	602	591	583	**571**

OCTOBER.

1	603	607	612	624	643	652	661	660	647	636	625	616	611	612	611
2†	609	608	607	621	640	656	675	676	668	653	642	630	621	615	608
3†	615	618	621	625	643	656	659	660	653	638	626	620	621	620	616
4	608	605	601	608	615	628	641	646	645	639	631	630	630	628	628
5†	616	621	621	627	646	662	673	678	677	670	661	650	641	627	628
6	584	587	580	588	602	613	631	637	641	628	612	593	594	601	600
7	603	60	604	615	637	662	631	678	667	634	616	604	595	605	604
8	596	594	599	604	613	627	630	636	625	629	614	607	603	597	587
9	600	603	612	625	633	650	662	660	658	639	634	613	581	579	574
10††	593	599	596	591	577	579	579	572	564	548	543	542	545	541	538
11	578	582	587	592	610	625	638	637	628	618	607	605	602	600	606
12	607	607	610	621	633	647	655	653	645	633	626	621	619	616	610
13	608	611	613	623	640	654	672	673	661	651	642	637	631	626	625
14	614	617	620	632	650	668	677	679	668	659	649	636	623	605	581
15	623	611	604	615	630	643	651	663	652	632	626	620	616	613	613
16††	611	609	615	627	639	647	653	651	638	631	629	621	609	608	607
17††	563	546	545	548	560	557	553	568	567	541	530	533	540	559	549
18	598	599	603	613	629	648	669	647	642	630	623	603	596	589	588
19	596	598	601	608	622	636	648	651	650	637	623	611	597	588	582
20	601	600	600	602	611	627	636	640	637	627	617	611	608	608	599
21	596	604	611	626	643	652	659	655	649	637	624	614	607	601	596
22†	612	612	615	624	639	650	659	660	655	647	639	631	628	623	619
23	620	622	622	627	638	648	657	662	660	655	654	645	640	640	636
24††	602	607	607	615	634	656	670	671	663	647	632	613	602	580	577
25	596	590	598	612	626	635	645	638	637	628	618	610	607	607	609
26	600	603	609	619	633	640	647	650	641	629	618	609	599	600	605
27†	613	615	621	632	643	654	662	659	651	638	627	622	622	624	623
28†	618	619	622	638	657	669	677	671	656	635	626	623	622	623	623
29	622	623	629	639	654	667	680	676	657	646	642	639	631	630	627
30	617	621	626	635	652	663	666	664	650	636	629	631	633	634	633
31††	619	620	662	679	681	**698**	697	688	676	635	557	523	**495**	496	508
Mean . .	605	605	609	618	631	644	652	**654**	646	632	621	612	605	603	600
Mean† . .	615	616	618	629	645	658	**667**	666	657	642	632	625	623	621	618
Mean†† .	590	589	598	606	613	623	627	**627**	620	599	576	566	558	557	**557**

† Five international quiet days.
†† Five international disturbed days.

(Averages for sixty minutes centred at the full hours of Greenwich mean time.)

SEPTEMBER. 37000γ PLUS TABULAR QUANTITIES.

Hours (G. M. T.)									Mean.*	Maximum.		Minimum.		Date.
15	16	17	18	19	20	21	22	23		Time.	Mag.	Time.	Mag.	
γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	H. M.	γ	H. M.	γ	
609	608	607	608	609	606	604	606	606	619	7 10	657	20 46	604	1
604	603	604	606	609	610	608	608	608	616	7 46	656	2 35	598	2
614	612	611	611	613	613	613	613	613	621	6 40	654	0 24	609	3†
616	615	610	609	612	615	614	619	617	628	7 20	675	1 30	607	4
613	611	609	605	603	606	609	611	610	613	7 52	631	2 46	597	5
613	6 1	610	611	611	613	612	611	611	621	8 2	655	1 34	604	6
622	620	618	619	620	620	621	621	622	628	6 42	657	1 0	611	7†
614	604	604	604	606	608	607	606	607	627	5 57	673	17 19	603	8
585	594	601	601	603	601	607	606	608	613	6 26	662	14 40	581	9
580	578	587	592	594	594	596	599	601	608	8 17	644	15 40	578	10
565	571	549	563	571	579	580	585	588	597	7 52	643	16 50	547	11††
603	601	604	602	601	598	594	599	599	608	6 56	638	1 18	592	12
610	610	610	609	611	610	608	605	606	618	7 12	655	2 10	597	13†
607	600	598	606	610	611	611	611	612	622	6 48	676	16 40	597	14
590	591	597	600	595	595	595	601	602	615	6 10	672	15 28	590	15
618	615	614	613	613	614	613	614	615	622	6 32	661	2 14	601	16†
620	619	618	618	618	618	619	626	631	627	7 18	656	2 20	612	17
615	607	603	603	611	617	620	524	621	631	6 45	689	17 44	601	18
622	621	619	622	624	624	625	624	626	638	7 23	690	0 24	617	19
619	610	611	616	619	621	621	622	622	639	7 26	692	16 9	609	20
624	621	620	620	618	615	615	617	623	**644**	6 49	**710**	20 48	612	21
625	625	624	623	623	624	619	636	639	641	8 5	692	21 22	617	22
572	585	594	595	594	594	596	598	600	613	5 9	668	14 49	570	23††
602	601	602	603	604	601	600	603	607	612	6 56	656	2 10	597	24
617	614	612	610	609	610	611	611	615	621	8 12	657	1 30	605	25†
530	528	541	547	546	556	558	568	590	**581**	6 28	650	13 48	**512**	26††
614	607	603	603	607	608	605	605	601	614	8 50	659	0 0	579	27††
612	607	607	608	610	610	606	603	607	618	6 22	663	0 30	601	28
593	587	591	595	595	597	595	600	603	609	6 14	664	14 6	572	29††
607	607	606	606	605	605	604	605	604	617	6 43	667	1 42	600	30
604	603	603	604	605	607	606	609	610	619					Mean.
615	613	611	610	611	611	610	609	610	622					Mean.†
576	577	578	584	586	591	591	596	602	603					Mean.††

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607	606	605	605	604	602	602	602	606	619	6 40	663	20 3	599	1
607	601	606	610	609	608	607	608	611	625	6 30	678	16 23	599	2†
609	604	605	608	611	611	611	609	607	623	6 40	661	16 10	601	3†
625	625	623	624	623	622	621	625	619	625	7 0	646	2 14	599	4
617	607	595	585	577	579	586	597	582	625	7 40	679	19 9	574	5
593	591	596	593	595	600	595	594	606	603	7 50	643	2 20	579	6
602	593	595	597	601	595	604	604	600	614	6 44	682	15 50	689	7
580	580	584	588	595	603	596	598	599	603	7 20	639	14 46	577	8
571	572	577	583	586	587	590	586	588	607	7 35	673	15 14	565	9
547	557	563	566	571	574	572	575	577	567	1 16	603	13 34	434	10†
607	602	605	606	607	606	605	603	605	607	6 23	643	0 0	577	11
603	603	605	607	606	604	603	605	608	619	5 54	657	19 44	601	12
620	615	606	605	609	610	610	612	613	628	6 0	681	17 37	602	13
565	565	570	583	591	598	603	610	612	620	7 33	682	15 15	563	14
604	604	606	609	609	608	603	603	614	619	6 50	666	22 18	598	15
609	602	572	548	533	543	569	562	578	604	6 38	656	19 34	522	16††
555	565	571	571	580	588	587	582	590	**561**	23 46	598	10 4	528	17††
586	587	588	589	588	589	590	591	593	607	6 5	676	16 12	583	18
591	599	598	600	601	602	600	600	599	610	7 18	655	13 42	582	19
590	598	581	576	577	585	590	594	595	605	6 50	642	14 59	578	20
592	592	598	602	603	605	605	606	611	617	5 56	661	15 48	590	21
616	613	614	615	616	615	615	616	619	627	7 4	663	15 45	611	22†
624	616	611	610	608	612	606	613	605	630	7 20	665	18 46	601	23
590	570	544	532	542	566	574	577	591	603	6 32	676	17 46	521	24††
599	592	595	598	598	596	597	599	599	610	5 47	649	15 32	587	25
606	606	509	610	608	610	610	610	611	616	7 10	652	12 42	594	26
619	615	615	616	615	615	618	619	619	627	6 18	663	0 14	612	27†
620	618	618	619	616	617	618	618	619	631	6 30	678	18 46	616	28†
623	619	621	625	623	621	620	617	619	**635**	6 2	681	22 12	616	29
629	624	620	616	619	618	615	616	618	632	6 32	671	21 32	614	30
501	524	541	549	560	565	567	569	572	590	5 28	**709**	12 24	**485**	31††
597	596	**595**	595	596	599	600	601	603	613					Mean.
614	**609**	611	613	613	612	612	613	613	627					Mean.†
563	566	562	557	561	573	**580**	579	589	585					Mean ††

*See footnote on page B-19.
†Five intenational quiet days.
††Five international disturbed days.

HORIZONTAL FORCE, 1936.

(Averages for sixty minutes centred at the full hours of Greenwich mean time.)

NOVEMBER. 37000γ PLUS TABULAR QUANTITIES.

Date.	Hours (G. M. T.)														
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14
	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ
1	574	578	589	610	630	645	656	649	632	622	606	598	593	593	588
2	595	602	609	623	639	655	664	662	652	639	629	620	614	616	616
3††	620	620	624	633	640	652	653	644	627	607	592	580	581	568	548
4	577	581	594	606	607	610	617	613	606	604	597	589	586	589	585
5	592	596	599	605	617	634	644	637	628	615	612	611	605	605	605
6	604	607	611	621	634	653	664	665	659	642	621	616	613	610	606
7	614	611	612	625	644	656	661	645	638	629	615	603	601	600	585
8	601	601	604	618	629	640	643	641	635	630	624	620	615	615	613
9	613	612	607	612	608	627	643	640	630	622	612	607	606	607	607
10	617	621	622	637	645	659	665	667	655	650	643	631	627	628	625
11††	601	605	617	641	669	685	679	666	654	636	618	599	583	576	566
12	586	584	596	615	623	622	635	631	623	614	609	604	601	601	599
13†	609	612	613	626	640	652	660	656	644	630	623	619	616	619	617
14	611	615	616	631	646	661	673	672	661	647	633	629	623	624	623
15††	618	623	633	651	670	687	691	681	646	633	627	616	605	596	572
16††	599	599	613	623	632	646	650	651	649	637	623	615	604	591	593
17	610	611	617	625	643	655	660	655	636	630	623	617	611	613	611
18	613	614	617	622	630	642	650	643	625	615	615	603	595	593	597
19	610	606	614	619	625	636	651	650	642	638	631	617	612	625	616
20	625	626	626	643	645	651	659	658	645	629	619	604	595	582	580
21	609	614	617	621	633	647	654	647	639	632	624	619	618	614	618
22†	621	622	625	627	630	631	636	639	639	635	629	623	620	620	617
23†	621	623	631	639	651	658	665	662	656	649	642	631	626	626	625
24†	625	629	634	645	654	663	670	669	660	650	644	635	629	628	630
25†	633	633	640	648	658	679	678	674	654	640	631	631	630	631	631
26	632	633	639	649	661	675	677	670	662	653	646	644	644	643	640
27	618	620	629	643	660	669	668	672	668	653	641	642	639	634	633
28	631	634	642	656	665	675	682	677	663	650	645	645	647	648	646
29††	675	657	647	645	607	594	574	539	530	520	510	522	540	539	526
30	559	563	571	586	598	611	620	618	612	606	604	592	587	588	591
Mean . .	610	612	617	628	638	649	655	650	639	629	619	613	609	607	604
Mean† . .	623	625	630	638	647	658	663	661	651	641	634	628	624	625	624
Mean††. .	605	603	611	625	631	642	641	629	615	602	591	585	583	576	564

DECEMBER.

1	591	591	597	602	610	619	631	639	627	617	605	592	585	590	582
2	594	597	606	620	639	655	666	667	659	649	637	629	623	619	616
3	604	604	607	613	622	629	634	638	633	628	617	605	601	603	600
4††	616	623	633	643	659	689	659	656	649	638	639	630	614	607	608
5	611	608	613	623	633	646	656	659	650	637	630	628	621	625	625
6	615	613	615	629	636	645	652	651	643	638	635	627	622	623	620
7	615	617	616	622	632	641	641	640	630	630	628	626	628	627	628
8	606	611	618	628	646	655	657	652	645	639	626	618	620	623	625
9†	621	625	627	636	640	648	658	661	655	645	632	622	621	623	621
10†	624	629	638	645	649	660	669	663	655	647	639	632	629	626	622
11	624	630	638	653	659	665	674	677	663	651	640	627	621	623	624
12††	628	631	635	646	658	671	682	668	658	648	641	638	637	658	660
13††	637	649	661	680	685	674	681	673	662	658	647	639	641	638	637
14	631	637	639	644	653	666	660	659	650	633	626	627	627	624	620
15	628	631	637	647	656	666	668	662	647	635	635	632	628	626	632
16	636	640	643	654	663	670	678	674	660	651	647	645	647	641	640
17	633	634	643	655	665	671	673	679	677	668	658	652	644	638	632
18	631	637	641	647	653	667	677	680	669	658	647	635	627	623	622
19†	628	633	641	653	670	681	686	680	667	654	641	639	639	640	638
20	639	642	648	657	666	674	677	671	662	651	640	633	626	629	619
21	628	629	633	635	643	650	659	659	652	643	635	629	627	624	622
22†	634	637	642	648	654	664	676	678	668	657	645	639	636	639	639
23	636	639	640	640	645	656	667	659	648	635	628	628	628	631	633
24†	618	622	625	625	626	628	634	643	642	637	634	631	630	631	632
25	632	634	634	636	638	645	658	664	658	645	642	641	642	644	646
26	641	646	650	655	658	661	665	667	658	657	651	651	651	647	644
27††	644	645	648	654	683	689	687	673	653	637	628	630	635	629	620
28††	607	609	598	603	599	599	595	599	583	570	556	518	501	516	499
29	568	573	579	593	607	627	641	642	626	617	605	599	582	575	573
30	593	594	594	596	605	615	625	629	629	631	631	624	612	610	610
31	605	613	617	623	629	633	651	656	653	643	627	618	618	617	619
Mean . .	620	623	628	636	645	653	659	659	649	640	632	625	621	622	620
Mean† . .	628	632	637	644	650	658	667	667	659	649	639	633	631	632	630
Mean††. .	619	624	628	639	652	661	657	651	638	628	621	610	605	611	606

† Five international quiet days.
†† Five international disturbed days.

(Averages for sixty minutes centred at the full hours of Greenwich mean time.)

NOVEMBER. 37000γ PLUS TABULAR QUANTITIES.

Hours (G. M. T.).									Mean.*	Maximum.		Minimum.		Date.
15	16	17	18	19	20	21	22	23		Time.	Mag.	Time.	Mag.	
γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	H. M.	γ	H. M.	γ	
581	577	578	583	587	587	589	594	593	602	5 46	659	0 0	573	1
629	625	625	621	616	608	607	612	619	625	6 34	666	0 0	595	2
537	531	534	558	550	558	571	569	572	589	5 32	658	16 21	527	3††
577	577	591	594	595	596	597	598	594	595	6 21	620	0 18	575	4
604	602	602	601	604	604	600	603	602	610	6 11	646	0 17	591	5
605	604	603	599	602	606	603	603	617	620	6 54	669	17 36	597	6
575	578	586	586	587	597	600	613	603	611	5 50	665	14 54	574	7
604	594	597	599	599	598	600	609	614	615	5 34	645	15 51	589	8
606	605	603	609	610	606	606	607	609	613	6 26	651	3 52	598	9
619	615	628	614	599	602	598	602	602	628	7 28	678	19 23	596	10
558	549	559	584	566	557	568	601	591	605	5 36	692	16 36	537	11††
599	598	600	592	597	604	603	605	607	607	6 12	638	0 23	584	12
613	611	610	610	610	611	611	612	611	622	6 28	663	23 52	609	13†
622	612	615	614	618	619	618	619	619	630	6 38	677	16 17	611	14
543	565	584	588	596	595	606	613	609	618	6 20	**693**	14 48	538	15††
597	598	608	603	611	607	611	607	610	616	7 8	660	13 44	586	16††
611	606	603	611	609	614	613	627	618	622	5 46	664	16 56	596	17
596	586	608	603	604	607	612	615	610	613	6 12	652	15 46	579	18
613	605	605	618	617	616	631	627	626	623	6 52	653	16 47	602	19
583	586	597	596	601	604	604	604	608	615	6 11	662	13 42	579	20
618	619	615	615	618	619	617	616	618	624	6 1	655	0 2	609	21
612	608	611	615	617	617	617	618	620	623	7 48	641	16 10	607	22†
623	625	621	621	622	622	622	624	625	634	5 55	667	17 16	620	23†
629	622	622	627	630	631	630	630	632	638	6 21	671	16 19	620	24†
630	628	626	627	629	631	632	633	633	640	4 42	689	16 50	625	25†
637	633	626	616	603	603	610	616	617	639	5 39	684	19 6	599	26
629	626	625	623	625	624	626	625	627	639	6 58	674	0 0	617	27
651	644	642	637	636	633	633	632	633	**649**	6 32	683	0 0	631	28
536	543	548	549	545	550	552	552	556	**563**	0 9	691	9 53	**495**	29††
589	588	587	591	591	589	590	592	592	593	6 23	623	0 0	560	30
601	**599**	602	603	603	604	606	609	610	617					Mean.
621	618	**617**	619	621	621	622	623	623	631					Mean.†
559	563	574	586	584	585	595	604	604	598					Mean.††

DECEMBER.

579	579	585	591	596	604	599	596	593	600	6 45	637	14 26	577	1
612	612	613	609	611	607	602	595	600	623	6 18	667	0 0	593	2
593	594	607	607	599	601	603	607	610	611	6 52	638	15 25	591	3
613	600	597	611	612	613	612	611	612	627	5 16	**700**	16 11	590	4††
621	619	616	616	612	619	618	611	616	626	7 8	660	0 50	607	5
616	612	606	600	600	611	611	608	611	622	6 0	655	18 56	596	6
623	614	601	601	596	604	606	605	605	620	6 26	644	19 48	593	7
625	618	615	615	613	616	618	616	619	626	5 33	659	0 0	605	8
619	619	617	616	616	614	616	618	622	629	6 32	663	20 0	612	9†
618	620	620	617	619	622	621	622	622	633	5 58	670	17 48	616	10†
624	619	620	623	621	623	623	625	628	637	6 50	680	16 19	618	11
639	632	629	629	624	616	619	622	633	642	5 52	683	19 58	614	12††
635	633	631	632	630	625	625	623	634	647	4 10	699	21 44	618	13††
624	620	623	625	626	628	626	626	627	635	4 58	669	16 11	615	14
631	628	627	629	632	636	635	635	636	639	6 22	671	12 48	622	15
635	627	626	631	631	630	634	632	631	644	6 30	681	16 10	624	16
636	635	632	630	631	630	631	631	630	646	7 14	681	23 34	626	17
626	621	617	620	624	623	626	626	627	639	6 40	683	16 56	615	18
636	632	632	633	634	634	636	638	639	647	5 46	686	0 0	627	19†
626	632	631	630	628	630	629	623	630	641	5 38	679	13 38	617	20
628	628	626	619	625	629	628	626	637	634	6 18	665	17 54	611	21
636	638	634	636	635	634	635	632	631	644	6 30	680	23 0	630	22†
633	625	623	625	626	623	620	621	620	634	6 0	669	16 34	618	23
630	629	625	625	626	627	629	629	630	630	7 20	644	0 0	618	24†
647	637	632	634	634	638	635	634	636	641	7 0	664	17 8	630	25
641	637	634	635	639	642	642	642	643	**648**	6 52	669	16 46	633	26
622	616	617	618	607	593	607	610	605	635	5 14	693	20 30	589	27††
482	521	539	542	550	553	554	561	565	**558**	0 46	611	14 44	**478**	28††
570	566	573	580	580	581	584	588	591	593	6 0	649	16 2	565	29
608	610	607	604	600	590	591	600	602	609	9 20	633	20 20	588	30
617	612	616	618	619	619	620	616	616	624	6 42	657	0 0	605	31
618	616	**615**	616	616	617	617	617	619	629					Mean.
627	627	624	**624**	624	624	625	625	626	637					Mean.†
600	603	605	611	609	605	609	612	617	622					Mean.††

* See footnote on page B-19.
† Five international quiet days.
†† Five international distrubed days.

VERTICAL FORCE, 1936.

(Averages for sixty minutes centred at the full hours of Greenwich mean time.)

JANUARY. 17000 γ PLUS TABULAR QUANTITIES.

Date.	Hours (G. M. T.)														
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14
	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ
1	916	917	919	926	917	889	873	885	900	906	913	915	907	907	912
2	910	911	913	914	903	876	872	877	884	890	898	904	898	899	902
3†	898	900	902	903	885	854	853	863	872	881	890	893	891	891	893
4†	891	894	899	901	885	863	855	856	854	857	866	874	880	884	887
5	883	885	887	892	890	875	855	845	852	856	865	871	873	877	880
6†	879	879	876	881	885	878	874	862	859	861	865	875	878	881	885
7†	889	889	889	893	896	899	889	882	886	891	889	890	894	895	900
8††	903	903	904	910	911	905	894	891	893	894	897	897	896	899	901
9	904	907	905	908	913	913	907	897	904	915	919	913	907	905	909
10	903	905	907	912	914	906	892	897	904	903	902	900	895	895	898
11	895	894	897	898	896	889	879	880	889	899	897	893	888	884	888
12	885	884	884	884	880	870	865	866	872	879	879	878	874	874	878
13	880	881	881	885	884	880	878	881	888	891	892	892	886	882	885
14	887	887	888	893	895	884	872	869	876	879	876	876	872	875	878
15	878	877	876	881	888	891	881	870	875	877	880	882	881	878	879
16†	885	886	887	893	901	901	893	886	893	894	899	898	895	892	895
17	907	907	906	912	915	917	911	910	914	914	911	909	908	911	913
18††	912	911	912	912	913	912	917	918	929	924	913	902	900	907	913
19	913	913	908	908	906	906	905	908	918	919	919	909	904	908	911
20	908	907	908	916	918	907	884	879	892	901	898	894	885	886	890
21	891	889	890	890	886	875	870	869	879	884	889	887	880	881	884
22	877	878	877	880	882	878	875	877	887	884	882	878	868	870	876
23	873	873	868	873	875	872	871	874	883	886	884	882	878	877	879
24††	876	878	879	889	899	887	878	884	889	887	885	886	882	886	893
25††	895	891	890	887	884	881	885	890	900	901	898	897	898	899	903
26††	905	904	903	904	905	898	898	908	921	922	914	906	903	904	906
27	899	899	895	891	889	882	880	888	894	898	902	901	897	899	900
28	895	895	897	895	889	877	872	872	882	889	893	890	875	874	878
29	879	879	877	870	854	842	841	848	864	889	892	892	883	881	884
30	897	899	901	900	892	877	865	868	883	896	908	906	896	892	896
31	905	905	905	904	899	882	869	877	897	907	906	909	905	905	906
Mean .	894	894	895	897	895	886	879	880	888	893	894	893	891	890	894
Mean †.	891	892	893	897	893	880	874	871	874	879	882	886	887	888	892
Mean††.	901	899	899	902	904	898	895	899	907	906	902	897	895	899	903

FEBRUARY.

1†	908	907	909	908	895	869	859	873	887	895	900	903	898	894	897
2	900	900	900	901	900	897	892	893	901	907	907	902	899	900	901
3	904	904	903	903	901	890	889	890	900	908	907	899	892	894	897
4	896	895	895	894	896	890	883	883	887	890	890	885	883	887	891
5†	893	894	891	894	894	886	883	890	901	903	905	901	888	888	892
6	894	894	895	891	886	881	883	890	902	917	912	897	883	884	890
7†	898	897	896	894	893	889	883	887	887	894	900	899	890	889	894
8	904	905	910	905	896	888	888	897	902	912	913	905	898	897	905
9	913	913	914	914	917	921	919	925	934	944	942	936	924	918	921
10	920	922	923	917	907	904	905	910	917	926	930	925	913	910	915
11	914	913	915	910	907	905	908	917	923	927	925	916	909	906	908
12	905	905	904	901	890	878	873	880	897	907	909	902	890	888	889
13†	891	891	889	885	879	875	877	882	890	896	899	894	882	881	883
14	889	892	893	891	881	874	873	879	890	898	900	895	881	878	885
15	892	892	892	881	879	874	878	883	892	899	900	896	886	885	890
16††	892	895	895	893	897	891	884	881	889	894	897	901	891	885	892
17††	897	898	895	891	890	887	889	894	900	900	898	893	883	887	895
18	894	895	889	884	884	882	881	883	886	892	893	891	884	886	891
19††	899	901	901	899	897	894	886	884	891	878	902	901	899	897	901
20	909	910	906	899	893	890	887	894	907	914	913	908	899	900	905
21††	910	911	909	900	894	889	884	889	902	906	908	902	893	893	897
22††	907	909	901	893	891	884	879	885	904	911	917	911	902	897	903
23	903	903	903	897	891	880	873	886	900	909	909	904	893	889	897
24	898	896	898	888	877	877	872	878	887	891	896	893	888	883	885
25	887	889	887	877	863	863	863	871	883	899	904	901	891	888	893
26	901	903	899	896	889	887	879	879	887	899	901	903	898	895	900
27	907	908	907	907	899	889	891	893	898	905	910	911	906	901	900
28†	907	907	908	905	893	883	877	881	887	891	902	906	901	896	902
29	898	899	898	895	888	884	876	875	876	880	891	892	890	889	891
Mean .	901	902	901	897	892	886	883	888	897	903	906	903	894	893	897
Mean† .	895	903	902	900	893	882	877	884	892	897	902	901	892	889	893
Mean†† .	902	903	901	896	894	889	884	887	897	898	905	902	893	891	898

†Five international quiet days.
††Five international disturbed days.

(Averages for sixty minutes centred at the full hours of Greenwich mean time.)

JANUARY. 17000 γ PLUS TABULAR QUANTITIES.

Hours (G. M. T.).									Mean.*	Maximum.		Minimum.		Date.
15	16	17	18	19	20	21	22	23		Time.	Mag.	Time.	Mag.	
γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	H. M.	γ	H. M.	γ	
911	912	914	913	913	913	912	911	912	909	2 58	928	6 4	872	1
901	899	901	902	903	903	903	904	904	898	3 14	915	5 50	871	2
891	893	894	895	909	895	896	896	897	889	2 48	905	5 17	849	3†
885	884	885	886	889	888	888	890	889	880	2 42	903	7 50	853	4†
879	878	880	882	882	882	882	882	882	875	3 16	893	6 39	844	5
887	887	890	891	891	892	892	892	892	881	18 15	894	8 10	859	6†
900	899	901	902	902	902	902	903	901	895	21 50	904	7 30	880	7†
903	906	907	909	906	906	906	905	904	902	3 34	913	6 34	889	8††
907	908	908	907	905	904	901	901	899	907	10 2	919	7 8	896	9
898	899	899	899	899	896	895	895	893	900	3 34	915	6 10	889	10
885	883	886	885	885	884	883	883	882	888	9 2	901	6 10	877	11
875	876	877	880	878	878	878	877	875	877	2 26	888	5 32	863	12
884	882	884	886	883	883	883	882	881	884	10 16	894	6 22	877	13
878	877	877	878	878	878	876	875	876	879	3 56	896	6 42	867	14
879	878	881	882	883	882	882	881	881	880	4 28	893	6 58	867	15
895	894	894	895	897	897	897	896	895	895	4 30	903	6 56	885	16†
911	911	912	913	911	911	910	910	909	911	4 44	920	1 22	904	17
914	913	916	916	914	913	912	913	913	913	8 16	933	11 30	898	18††
908	909	910	910	910	910	909	907	906	910	8 12	922	11 58	903	19
890	890	892	893	893	892	893	891	888	895	3 40	921	6 24	878	20
884	884	885	886	885	884	884	886	883	883	0 0	892	6 24	866	21
875	877	878	877	877	877	877	874	876	877	3 54	884	12 26	867	22
877	878	878	879	880	881	881	882	883	878	8 22	891	2 2	867	23
893	894	897	901	900	900	899	904	899	891	21 40	908	0 0	874	24††
900	907	910	909	908	907	906	905	907	899	17 0	911	4 52	876	25††
907	906	906	909	908	909	908	909	904	907	8 16	926	5 36	893	26††
899	902	902	902	903	903	901	901	901	897	20 10	904	6 0	878	27
880	881	882	882	883	883	881	880	879	883	2 56	899	12 30	870	28
884	886	891	889	892	893	893	895	896	879	23 36	898	5 27	836	29
897	897	898	900	900	902	902	902	902	895	10 0	910	5 54	863	30
905	904	906	906	905	905	906	906	903	901	10 56	910	6 10	867	31
893	893	895	896	896	895	895	895	894	892					Mean.
891	890	891	893	896	893	893	893	892	888					Mean.†
903	904	906	908	906	905	904	905	904	902					Mean.††

FEBRUARY.

897	898	900	900	900	899	898	898	896	895	2 6	910	5 40	856	1†
900	900	899	900	900	900	900	900	900	900	9 4	908	6 8	891	2
897	897	897	896	896	895	895	895	892	897	9 18	912	6 34	887	3
890	890	891	891	889	889	889	888	887	889	3 42	898	6 14	879	4
893	893	895	895	895	895	895	893	893	894	10 16	905	5 40	882	5†
891	892	894	894	895	895	895	894	894	884	9 20	920	12 23	879	6
894	895	897	900	900	901	900	900	901	895	23 54	902	5 32	882	7†
906	905	906	909	910	910	910	911	912	904	9 22	916	5 16	885	8
920	920	919	920	921	921	920	919	919	922	9 2	946	3 20	909	9
916	918	916	918	917	917	917	916	917	916	10 20	931	6 0	902	10
906	905	907	907	906	906	905	904	904	910	9 48	928	4 32	901	11
888	889	891	893	893	893	893	893	892	893	9 47	910	6 2	872	12
882	882	883	884	886	886	886	886	886	885	10 10	899	5 4	875	13†
885	887	886	889	891	891	893	893	892	888	10 28	903	5 30	872	14
891	892	891	894	896	896	896	897	896	890	9 44	902	5 4	873	15
895	891	895	900	901	905	905	899	897	895	20 52	910	12 28	876	16††
894	897	898	898	898	899	895	898	897	895	19 36	904	12 12	881	17††
892	893	895	898	896	897	897	897	896	891	18 14	898	6 20	879	18
903	904	908	908	909	912	910	911	907	900	19 58	914	6 22	883	19††
906	906	907	909	909	909	909	910	909	905	9 0	915	5 30	887	20
896	902	903	906	904	905	904	902	903	900	1 10	911	6 10	883	21††
902	903	904	906	906	905	905	906	905	901	9 56	919	5 20	878	22††
893	895	897	897	899	898	897	898	897	896	9 48	911	5 51	870	23
885	885	888	889	890	889	889	888	888	887	0 12	900	6 32	871	24
893	895	898	900	902	904	903	900	899	890	10 4	905	4 40	861	25
899	902	904	908	907	909	909	907	908	899	20 36	913	6 44	876	26
905	906	910	913	911	912	912	913	913	905	21 48	914	5 14	887	27
902	902	903	905	906	906	906	906	906	899	2 0	909	6 24	876	28†
891	890	890	895	896	893	894	894	893	890	1 16	899	6 58	874	29
897	898	899	901	901	901	901	900	900	897					Mean.
893	893	894	895	895	895	894	893	893	893					Mean.†
898	899	901	904	903	905	904	903	901	898					Mean.††

*The daily mean value of vertical force derived from 24 hourly values has been corrected for progressive change by adding 1/48th of the difference between the values at the terminal and initial hours.

† Five international quiet days.

†† Five international disturbed days.

(Averages for sixty minutes centred at full hours of Greenwich mean time.)

MARCH. 17000 γ PLUS TABULAR QUANTITIES.

Date.	Hours (G. M. T.).														
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14
	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ
1	890	891	893	895	894	889	880	881	885	893	898	896	889	886	889
2	891	891	891	890	881	874	867	871	875	879	886	888	885	884	887
3†	894	895	901	904	902	895	894	895	899	902	907	905	901	900	901
4†	907	907	908	910	909	907	903	898	902	905	912	913	908	907	909
5	910	909	911	914	913	909	898	890	894	905	910	913	909	906	905
6	904	907	907	909	907	900	890	882	886	895	896	893	889	889	890
7†	889	890	890	887	883	879	877	879	882	881	881	881	882	880	880
8	878	878	881	885	881	876	872	871	871	873	876	875	875	871	873
9	882	883	884	882	882	879	879	880	879	883	889	894	893	883	884
10	899	903	907	912	912	909	903	902	905	911	914	909	902	897	898
11†	904	907	912	913	906	894	889	890	900	907	914	918	913	903	903
12†	903	904	911	913	904	899	893	883	883	895	903	904	903	899	898
13	896	897	901	903	897	892	890	886	882	883	887	895	895	895	895
14	900	901	905	909	908	905	897	895	899	901	906	908	906	903	904
15	912	913	919	917	909	903	898	896	898	907	914	914	911	906	907
16	914	916	919	917	914	911	902	897	896	905	910	913	910	906	907
17	911	911	915	922	919	917	908	892	889	901	911	910	904	900	901
18	906	908	910	905	900	896	885	874	878	888	897	900	892	889	889
19	890	891	893	892	888	869	858	858	857	868	879	880	877	875	879
20††	891	892	895	894	890	891	885	876	880	890	898	895	889	886	887
21††	903	903	913	916	906	889	885	876	878	884	893	899	895	895	899
22	913	913	917	920	921	921	910	901	900	911	916	912	911	911	910
23††	915	920	924	914	909	907	904	901	899	910	916	913	910	909	908
24††	909	910	911	906	896	889	885	878	882	890	903	898	897	895	900
25††	899	901	906	897	894	887	869	855	853	873	890	889	886	887	886
26	882	879	886	885	880	872	859	850	858	880	905	910	907	899	899
27	914	917	920	915	911	909	897	887	885	893	911	915	910	906	909
28	911	915	919	919	915	903	896	885	888	903	912	911	908	906	907
29	909	911	920	927	929	923	911	900	899	911	918	915	910	907	9 9
30	909	911	914	910	900	889	882	878	882	897	906	899	891	893	897
31	901	903	908	903	895	886	873	865	871	885	895	893	886	888	892
Mean .	901	903	906	906	901	896	888	883	885	894	902	902	898	896	897
Mean† .	899	900	904	905	901	894	891	889	893	898	903	905	901	898	898
Mean†† .	903	904	909	905	898	892	885	876	878	889	900	899	895	895	896

APRIL.

1	894	896	901	893	880	878	869	864	872	887	892	892	889	897	905
2	921	924	927	924	920	918	915	907	904	911	921	923	921	919	919
3	922	928	929	918	905	895	890	891	897	909	918	918	913	914	916
4	917	928	933	925	917	904	897	899	909	919	919	916	911	910	910
5†	918	923	926	921	910	912	907	898	897	904	919	926	920	917	915
6†	915	920	927	926	921	907	893	887	895	906	906	901	898	900	905
7	907	909	908	899	886	871	865	869	877	891	900	900	897	894	897
8	897	900	903	896	887	875	868	866	874	881	889	891	887	886	883
9	885	891	895	888	876	872	864	861	872	889	897	899	901	903	904
10†	913	921	922	916	913	907	904	904	911	917	920	918	914	915	918
11	923	928	931	925	917	907	898	896	906	919	924	927	923	917	916
12	919	923	927	916	907	898	891	890	901	913	918	923	923	919	914
13	921	924	926	919	904	892	887	894	904	910	918	924	919	909	909
14	916	922	922	910	896	878	875	877	890	896	902	909	910	908	905
15	903	908	910	902	896	885	877	881	886	895	900	903	902	897	899
16	905	909	919	896	883	869	867	871	881	892	896	898	895	894	894
17	899	905	908	905	890	881	876	872	879	889	898	899	892	890	889
18††	898	902	902	891	883	882	881	889	902	904	907	910	916	914	911
19††	919	924	923	912	902	883	880	886	895	904	911	913	908	910	909
20††	919	923	928	913	894	883	883	887	896	906	913	914	910	908	909
21††	919	931	930	915	889	881	883	888	892	902	910	909	908	909	909
22††	922	917	926	913	891	882	881	885	893	901	907	908	908	902	902
23	910	914	916	907	889	871	861	865	878	894	906	911	907	900	897
24	907	911	911	905	893	877	867	868	878	891	902	906	902	899	896
25	910	914	916	909	894	881	874	879	891	899	904	906	902	899	897
26†	909	913	913	911	909	900	894	894	899	904	901	901	900	898	897
27	909	912	914	912	902	890	893	898	896	903	909	912	911	907	901
28	915	920	922	919	913	903	898	897	899	909	914	911	903	901	900
29†	908	912	913	907	900	879	868	875	886	895	898	902	897	891	890
30	888	893	898	889	869	854	859	859	871	879	883	883	879	871	869
Mean .	910	915	917	909	898	887	882	883	891	901	907	908	906	903	903
Mean† .	910	916	919	915	909	899	892	890	897	905	909	909	906	904	905
Mean†† .	917	921	923	910	892	883	882	887	896	904	910	911	910	908	907

† Five international quiet days.
†† Five international disturbed days.

(Averages for sixty minutes centred at full hours of Greenwich mean time.)

MARCH. 17000 γ PLUS TABULAR QUANTITIES.

Hours (G. M. T.).									Mean.*	Maximum.		Minimum.		Date.
15	16	17	18	19	20	21	22	23		Time.	Mag.	Time.	Mag.	
γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	H. M.	γ	H. M.	γ	
891	891	890	893	894	894	893	893	892	891	9 40	899	6 20	878	1
887	888	889	892	893	893	894	894	894	886	23 38	895	6 0	865	2
902	902	902	905	906	906	906	905	905	902	10 2	907	5 20	893	3†
909	909	910	912	913	913	913	911	911	909	10 40	915	7 8	897	4†
906	903	904	907	907	906	906	906	905	906	3 41	915	6 58	888	5
892	893	891	894	895	895	895	894	895	895	3 36	910	7 6	881	6
880	880	882	884	884	883	882	881	881	882	1 58	891	6 3	875	7†
879	876	877	881	882	882	881	880	882	**877**	2 40	885	12 59	870	8
887	889	893	895	897	895	895	896	897	888	18 48	899	5 38	877	9
898	900	902	904	904	905	905	905	905	905	9 50	916	13 38	896	10
904	904	907	908	909	909	908	907	907	906	10 50	919	6 44	888	11†
895	894	897	900	900	900	899	899	899	899	2 44	916	7 30	881	12†
896	894	896	897	897	897	896	895	896	894	2 42	904	7 28	881	13
903	903	905	905	905	905	906	905	906	904	3 4	910	6 48	893	14
908	909	910	911	910	909	909	909	909	909	2 30	921	7 24	895	15
908	907	908	911	911	910	910	909	907	909	2 0	920	7 48	895	16
901	901	902	902	903	903	902	901	901	905	2 57	924	7 32	887	17
890	889	889	890	890	888	885	885	884	892	2 7	911	7 2	872	18
879	881	883	885	886	885	885	884	883	879	2 6	894	6 14	854	19
891	893	895	895	895	895	895	894	895	892	9 48	900	6 53	875	20††
902	905	908	909	910	909	909	909	909	900	3 10	918	7 4	872	21††
911	913	913	915	914	912	912	911	911	913	4 45	923	7 34	897	22
909	912	913	912	911	911	909	908	910	911	1 50	925	8 0	897	23††
895	898	901	901	900	899	898	896	893	897	1 55	912	6 44	875	24††
886	887	888	888	888	888	885	887	884	885	2 14	907	7 40	849	25††
902	905	906	908	910	910	910	909	909	893	19 38	912	7 16	**847**	26
912	913	917	917	915	915	915	913	912	909	2 2	921	7 32	884	27
908	910	910	912	914	913	912	912	910	909	2 22	922	7 34	883	28
910	911	913	915	915	915	914	913	913	**913**	4 0	**930**	7 28	898	29
899	901	902	904	905	904	903	902	902	899	1 52	915	6 54	877	30
894	895	895	896	897	897	897	896	896	892	2 2	909	6 46	862	31
898	899	900	902	902	901	901	900	900	898					Mean.
898	898	900	902	903	902	902	901	901	899					Mean.†
897	899	901	901	902	901	900	900	899	897					Mean††

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907	909	911	913	915	915	914	915	915	897	23 50	919	6 44	862	1
921	921	921	922	923	923	922	922	922	**919**	2 2	928	8 20	903	2
918	921	921	921	922	919	917	918	918	914	1 28	932	7 0	889	3
912	914	915	915	916	916	915	914	915	914	1 52	935	6 32	895	4
915	915	918	918	918	917	917	917	916	915	10 40	927	7 34	894	5†
907	909	911	912	913	911	909	909	909	908	2 20	927	6 59	886	6†
899	900	903	903	903	902	911	900	899	895	1 36	911	5 52	864	7
887	889	890	890	889	888	888	886	885	886	1 50	904	7 0	864	8
905	907	910	912	913	914	913	912	912	896	20 0	915	6 46	857	9
920	920	924	926	926	926	926	925	925	918	20 22	927	6 24	902	10†
918	920	923	923	924	925	923	922	923	919	2 8	931	6 50	895	11
917	917	920	922	922	921	924	924	922	915	1 38	930	6 20	888	12
911	914	915	918	919	919	918	917	916	913	1 52	927	5 54	885	13
905	907	909	911	909	911	910	906	905	903	1 34	926	5 32	873	14
900	906	903	903	903	903	903	903	902	899	1 36	912	6 8	875	15
893	896	896	896	897	898	897	894	894	893	1 26	914	5 38	864	16
892	894	895	895	897	899	899	896	895	893	1 55	909	6 35	871	17
913	915	916	917	917	916	914	914	913	906	19 10	919	5 40	875	18††
912	913	917	914	915	917	919	917	919	909	1 40	927	5 35	877	19††
909	910	917	918	919	918	915	915	916	909	1 45	931	4 54	881	20††
910	913	918	919	917	917	917	916	916	909	1 26	**935**	5 8	879	21††
902	905	906	908	909	907	907	907	906	904	1 42	928	5 47	877	22††
900	901	905	902	903	903	903	903	902	898	1 10	919	5 39	861	23
895	899	901	902	901	900	900	900	902	897	1 9	913	6 30	866	24
900	903	905	906	906	906	905	905	904	901	1 44	918	6 26	873	25
898	899	901	903	905	904	904	903	904	903	1 40	916	6 28	892	26†
902	905	909	910	910	909	909	908	908	906	2 2	915	5 6	889	27
901	906	910	910	910	909	909	909	908	908	1 38	923	6 16	895	28
891	893	895	895	895	894	894	894	893	894	1 30	914	6 10	868	29†
871	873	875	875	876	874	874	873	873	**875**	2 0	899	**4 41**	**853**	30
904	906	909	909	910	909	909	908	908	904					Mean.
907	908	910	912	912	912	911	911	911	908					Mean. †
909	911	914	915	915	914	914	913	913	907					Mean. ††

*See footnote on page B-31.
†Five international quiet days.
††Five international disturbed days.

VERTICAL FORCE, 1936.

(Averages for sixty minutes centred at full hours of Greenwich mean time.)

MAY. 17000 γ PLUS TABULAR QUANTITIES.

Date.	Hours (G. M. T.).														
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14
	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ
1	867	872	876	874	877	865	858	859	862	868	871	869	867	862	859
2	857	863	861	838	833	851	868	880	901	913	925	931	929	927	928
3	944	951	940	921	913	913	918	927	938	947	950	949	945	938	937
4	948	954	951	934	917	912	919	920	926	935	941	947	948	948	948
5	942	949	947	940	915	893	896	905	919	932	941	941	939	934	931
6	928	939	942	930	912	900	895	897	909	915	919	919	918	915	914
7†	924	933	934	917	893	883	883	884	893	903	911	918	917	911	905
8†	921	926	923	917	910	898	894	893	905	914	924	924	920	916	913
9†	926	933	926	912	890	884	887	893	903	911	918	918	917	912	907
10	919	928	928	918	902	886	883	888	903	912	915	914	912	905	901
11††	918	927	921	904	885	873	869	874	889	900	904	909	908	908	903
12††	919	925	929	919	905	896	880	878	891	910	920	923	922	916	908
13	918	926	922	907	888	880	873	873	877	885	897	905	909	909	905
14	909	915	913	898	884	878	872	873	884	900	906	906	906	905	903
15	905	915	916	908	890	876	873	876	882	891	898	900	899	895	892
16	893	899	893	877	864	853	853	863	873	881	885	889	892	893	888
17	892	899	896	881	863	847	841	840	849	864	874	877	876	875	874
18††	877	882	882	869	850	851	861	867	881	899	917	927	927	922	920
19††	932	937	932	920	902	897	899	905	911	919	925	926	923	921	920
20	928	935	931	918	897	881	887	893	906	921	930	932	933	930	927
21	937	943	940	926	908	890	886	893	907	920	930	939	938	926	915
22	907	911	917	908	888	869	869	873	882	898	908	913	910	902	900
23†	911	920	922	910	890	882	875	873	881	889	896	907	911	908	898
24†	903	911	909	891	875	868	865	857	854	863	875	890	895	894	886
25	889	893	896	895	883	863	849	844	851	862	868	875	876	871	865
26	874	880	882	875	855	849	854	858	871	885	899	918	924	925	917
27§	942	947	944	934	..	..	..	..	..	..	..	..	..	885	882
28	908	914	918	915	912	907	905	905	911	915	916	917	919	914	909
29††	913	921	924	910	888	875	865	870	885	900	909	914	916	911	906
30	915	922	915	907	900	886	873	874	879	891	898	903	901	899	897
31	913	917	915	903	891	874	869	874	881	885	894	897	899	896	893
Mean .	911	918	917	905	889	879	877	880	890	901	909	913	913	910	906
Mean† .	914	923	921	908	889	881	879	879	886	895	905	912	912	909	902
Mean†† .	917	923	923	908	889	881	877	881	893	907	916	920	919	915	910

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1††	900	908	908	896	879	875	871	870	881	893	897	899	895	891	887
2††	908	913	909	900	884	870	860	865	874	883	880	881	884	885	882
3	894	908	907	895	875	866	866	866	873	880	882	883	886	882	878
4	891	900	898	889	867	848	855	865	877	885	891	902	905	910	910
5†	922	929	931	921	902	886	871	876	885	899	909	913	913	915	910
6†	919	926	923	908	882	866	861	864	874	883	900	912	909	906	904
7	912	919	919	904	888	873	866	872	888	893	904	914	912	905	900
8	905	913	914	910	891	872	868	861	866	872	879	894	900	898	894
9††	895	904	907	895	881	854	834	838	856	870	875	881	884	884	891
10††	886	894	895	885	869	854	851	855	860	864	867	866	871	877	877
11	882	889	895	888	876	871	867	859	865	874	889	902	908	907	903
12	910	917	920	914	901	886	875	873	871	879	895	903	905	905	902
13	913	920	921	912	907	904	897	892	894	894	895	902	905	906	905
14	907	910	908	899	885	868	867	873	889	902	906	900	900	901	900
15	907	914	915	915	892	881	874	875	883	892	897	900	902	901	896
16	909	913	913	905	894	884	885	891	898	904	903	902	900	897	896
17	912	917	915	908	893	883	878	883	889	885	886	884	883	884	885
18	905	911	909	895	881	867	862	861	865	876	881	894	897	897	894
19††	900	909	917	907	890	876	872	881	895	908	907	911	908	899	898
20	913	919	914	904	889	874	869	866	869	879	893	898	900	901	895
21	909	915	913	903	885	878	875	870	871	882	891	903	907	904	898
22	912	921	924	923	911	898	887	885	886	894	901	906	908	905	903
23†	911	917	921	915	901	879	863	863	867	868	877	889	897	900	892
24	894	903	904	896	869	840	829	824	834	846	864	873	872	873	867
25	870	877	877	869	857	851	845	833	826	830	846	856	860	860	853
26	857	865	863	876	835	825	833	840	845	859	868	885	895	897	894
27	916	920	923	925	916	903	896	903	911	915	916	918	923	923	916
28	931	937	942	941	924	908	908	902	908	914	918	926	932	931	922
29†	929	935	933	924	907	892	888	900	909	916	922	921	921	917	915
30†	921	923	917	908	898	891	888	888	897	902	907	913	911	909	909
Mean .	905	912	912	904	888	874	869	870	877	885	891	898	900	899	896
Mean† .	916	923	922	912	895	880	872	876	885	892	902	909	910	910	906
Mean†† .	897	905	907	896	880	865	857	861	873	884	885	888	889	887	887

† Five international quiet days.
†† Five international disturbed days.
§ Loss of record. The day has been omitted for means.

(Averages for sixty minutes centred at full hours of Greenwich mean time.)

MAY. 17000 γ PLUS TABULAR QUANTITIES

Hours (G. M. T.).									Mean.*	Maximum.		Minimum.		Date.
15	16	17	18	19	20	21	22	23		Time.	Mag.	Time.	Mag.	
γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	H. M.	γ	H. M.	γ	
860	864	864	865	865	865	863	863	863	**866**	4 4	879	6 40	857	1
933	934	936	938	939	940	941	942	943	908	23 59	947	3 56	829	2
940	942	944	946	948	947	947	946	948	939	1 15	955	5 0	913	3
947	944	946	949	947	946	946	947	949	**940**	1 10	**956**	4 40	910	4
934	937	938	937	936	936	935	935	936	931	1 14	951	5 10	890	5
918	921	923	924	925	924	922	922	923	919	1 28	945	5 48	893	6
909	912	915	915	916	915	914	914	916	910	1 36	938	6 22	881	7†
913	915	916	917	917	917	915	915	917	914	1 7	927	6 48	890	8†
909	912	912	913	914	913	913	912	913	910	1 10	934	4 58	883	9†
904	908	910	916	915	916	912	913	913	909	1 30	930	5 50	882	10
907	909	912	915	915	913	915	913	913	904	1 2	930	6 16	868	11††
912	913	915	915	916	916	913	915	913	911	1 50	931	6 22	875	12††
905	908	909	909	909	909	909	908	909	902	1 10	931	6 0	872	13
906	908	907	907	908	907	908	908	907	901	1 14	917	6 22	870	14
894	896	896	899	899	899	899	898	897	895	1 56	918	5 24	871	15
888	890	894	895	892	892	890	891	893	884	1 20	953	5 32	851	16
875	876	878	878	879	878	877	878	879	892	1 1	901	6 43	836	17
925	928	931	933	932	934	934	933	932	906	19 50	938	4 32	845	18††
926	927	929	930	929	931	930	929	928	922	1 18	941	4 55	894	19††
929	930	930	932	932	931	931	931	931	922	1 8	938	4 56	879	20
914	915	914	913	911	909	907	908	908	916	1 0	946	5 32	885	21
901	901	902	903	902	901	900	900	901	899	1 38	921	5 42	867	22
898	899	900	901	902	901	900	899	898	899	1 42	927	6 54	873	23†
886	890	889	888	890	889	887	887	886	884	1 20	914	7 37	851	24†
866	867	869	869	870	870	868	866	867	870	2 18	897	7 4	843	25
920	925	931	931	932	935	934	936	937	903	23 59	942	5 16	848	26
888	893	899	901	903	903	904	905	906	..	..	..	..	..	27§
909	910	911	913	911	911	911	912	912	912	1 44	920	6 0	904	28
903	906	909	913	912	911	913	912	915	904	1 50	926	6 19	863	29††
899	902	904	906	909	911	911	910	909	901	1 4	924	6 18	872	30
895	897	898	899	902	903	901	900	901	895	1 20	921	6 4	867	31
907	910	911	912	913	912	911	911	912	905					Mean.
904	907	908	908	909	909	908	907	908	903					Mean.†
913	915	917	919	918	918	917	916	915	909					Mean.††

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891	895	898	900	899	900	901	901	901	893	1 38	911	6 26	868	1††
885	888	891	894	895	895	891	890	889	887	1 2	915	6 4	858	2††
881	884	886	887	888	887	885	886	887	884	1 12	913	4 58	865	3
911	914	916	917	918	916	915	915	916	898	23 59	919	5 12	845	4
911	913	915	915	916	916	915	915	916	909	1 24	933	6 0	869	5†
907	910	910	910	911	911	910	910	910	901	1 2	929	6 1	860	6†
902	905	906	907	906	906	905	903	903	900	1 49	921	5 50	863	7
893	896	898	901	902	903	903	901	899	893	1 59	916	7 17	859	8
888	889	894	897	898	898	897	896	895	883	1 40	910	6 24	830	9††
881	883	886	886	886	885	885	885	885	876	1 32	897	5 39	849	10††
906	909	912	914	916	913	913	912	912	896	18 38	915	6 54	855	11
904	908	911	912	913	913	913	914	914	903	1 59	925	7 54	870	12
903	906	907	908	909	907	907	908	905	905	1 28	923	7 20	891	13
901	903	905	903	904	904	904	906	905	898	1 38	913	6 12	865	14
899	900	901	902	902	902	902	902	903	898	1 18	919	6 48	871	15
895	895	897	897	898	897	898	898	898	899	1 11	916	5 38	883	16
887	889	890	892	893	892	890	890	891	891	1 16	919	6 14	878	17
896	898	901	901	900	901	903	904	904	892	1 4	913	6 32	860	18
906	908	909	909	910	908	910	905	906	902	2 14	921	5 54	869	19††
896	899	900	901	901	899	899	899	900	895	1 2	922	6 23	861	20
899	901	902	903	903	901	901	900	901	897	1 26	918	7 44	869	21
904	907	907	907	907	907	907	907	907	905	2 44	926	6 28	885	22
891	893	894	895	895	894	894	894	893	891	1 58	923	6 36	859	23†
869	872	871	870	870	870	870	867	867	867	1 26	906	7 32	822	24
851	853	854	855	856	857	856	855	855	**854**	1 20	881	8 35	**821**	25
895	900	906	908	909	910	910	911	910	880	23 40	913	4 54	823	26
917	918	920	922	923	924	924	923	924	918	2 44	926	5 44	894	27
921	922	924	925	926	925	924	924	923	**923**	2 42	**944**	7 14	901	28
915	918	919	919	920	918	918	918	919	916	1 12	938	5 36	885	29†
909	910	911	912	913	913	913	912	911	908	0 44	925	6 44	886	30†
897	899	901	902	903	902	902	902	902	895					Mean.
908	910	911	913	914	913	913	913	914	905					Mean.†
891	893	896	897	898	898	897	896	896	889					Mean.††

*See footnote on page B-31.
†Five international quiet days.
†† Five international disturbed days.

VERTICAL FORCE, 1936.

(Averages for sixty minutes centred at full hours of Greenwich mean time.)

JULY. 17000 γ PLUS TABULAR QUANTITIES.

Date.	Hours (G. M. T.).														
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14
	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ
1	914	918	914	910	902	899	896	900	900	900	902	907	910	904	900
2††	907	912	912	908	899	890	882	884	883	892	902	909	909	908	897
3	915	917	918	917	908	894	887	886	895	904	907	911	909	908	909
4	926	929	926	917	906	905	902	908	915	914	920	925	923	920	916
5	926	930	932	925	914	907	904	909	912	921	925	926	925	924	916
6††	927	935	934	923	912	904	902	905	911	916	917	917	913	915	913
7	927	932	928	917	897	872	868	876	893	899	904	914	917	915	906
8	908	913	912	901	881	872	867	869	881	892	897	899	900	899	892
9	894	901	901	896	874	849	**839**	848	865	883	905	916	917	919	915
10††	932	936	936	928	912	896	883	883	898	909	917	924	929	927	928
11††	936	945	939	919	902	884	878	886	898	905	917	928	935	936	932
12	941	**950**	949	935	913	901	900	903	907	915	925	927	926	925	924
13	934	937	940	935	920	913	905	905	917	921	917	912	915	919	918
14†	921	925	916	904	883	872	877	880	889	899	908	910	907	908	905
15†	907	914	912	906	893	877	873	877	886	894	900	902	900	899	895
16	901	909	912	901	875	851	852	859	867	873	876	880	882	884	884
17	893	900	902	899	883	868	861	871	887	905	914	918	923	926	924
18	935	944	941	935	925	910	906	913	922	924	929	932	931	930	927
19	931	937	933	925	915	896	882	880	887	901	917	928	934	934	927
20	929	938	936	915	889	882	881	886	893	908	921	933	935	930	924
21†	925	935	934	932	924	913	895	884	895	907	914	921	932	927	913
22	913	921	921	907	887	869	868	872	884	889	896	904	911	912	909
23†	920	927	929	912	891	890	897	896	900	907	917	922	921	917	913
24†	926	932	928	919	909	894	884	880	880	890	904	916	926	927	917
25	923	930	929	918	897	885	885	892	901	909	901	908	911	910	910
26	916	922	916	899	883	873	870	882	892	900	905	911	915	912	906
27	909	917	914	901	880	870	869	877	893	899	903	907	909	906	899
28	900	906	912	905	886	877	874	876	895	913	926	929	922	914	907
29††	918	925	925	914	905	892	878	883	897	909	915	922	922	917	909
30	924	932	920	907	896	884	881	890	902	912	916	922	919	911	910
31	921	928	926	917	904	900	906	904	914	922	924	915	915	914	913
Mean . .	919	**926**	924	914	899	887	**882**	886	895	904	911	916	918	916	912
Mean† . .	917	**924**	921	912	898	887	884	**882**	889	899	908	914	918	916	909
Mean†† .	926	**933**	931	920	907	895	**885**	889	898	907	914	921	922	920	915

AUGUST.

1	923	927	924	918	908	892	875	883	895	900	909	914	918	917	913
2	915	922	919	909	896	884	875	886	904	912	920	921	916	909	905
3	907	915	911	904	891	876	877	886	901	905	914	913	913	907	902
4	910	916	913	903	892	876	867	869	883	897	906	914	916	908	903
5††	913	920	917	908	894	874	857	**853**	865	881	894	907	915	915	911
6††	915	923	926	916	903	891	886	888	893	905	915	920	922	913	906
7†	919	925	920	911	893	880	884	892	898	904	912	919	920	916	912
8††	917	923	924	912	894	883	879	886	891	898	913	919	916	914	911
9	916	924	923	916	903	998	897	896	898	901	907	918	921	915	906
10††	915	917	911	901	879	877	882	885	892	899	905	909	912	908	901
11†	908	914	913	899	886	872	862	869	884	904	918	919	916	908	904
12	917	924	924	913	897	881	872	878	890	901	909	916	918	916	910
13	922	928	**932**	925	906	893	891	898	908	919	923	923	919	916	913
14	925	928	929	924	912	907	909	911	908	915	920	923	925	922	918
15	921	929	932	925	903	884	871	877	897	911	913	913	913	911	908
16	914	918	920	915	904	897	897	895	901	908	914	911	911	908	902
17	906	913	918	915	910	895	884	880	879	884	889	892	893	896	895
18†	897	903	904	898	886	877	872	874	882	895	899	907	911	909	905
19†	916	920	926	925	907	891	883	880	888	900	914	925	927	921	913
20	919	924	926	925	915	908	907	909	911	914	921	922	922	915	912
21	921	928	931	921	903	887	879	886	898	909	915	919	920	917	913
22	919	925	926	917	895	874	879	884	895	905	918	925	922	913	908
23†	917	923	924	913	897	888	874	872	874	882	890	897	897	898	900
24	912	917	919	911	903	894	889	884	889	897	905	913	913	904	898
25	909	917	923	911	897	892	888	883	890	897	905	909	908	901	901
26	913	916	918	907	891	879	872	873	882	894	905	912	911	907	904
27	919	923	916	898	884	873	874	892	899	904	908	913	914	909	907
28	923	929	925	907	897	894	899	903	909	915	925	928	916	912	913
29	929	935	929	911	904	900	891	886	893	903	911	917	917	915	912
30††	922	927	922	906	899	898	897	898	906	908	908	912	911	906	906
31	914	918	912	894	876	870	872	884	893	896	899	899	900	901	900
Mean . .	916	**922**	921	912	898	887	**882**	885	893	902	910	914	915	911	907
Mean† . .	914	920	**920**	911	895	883	**876**	878	886	898	907	914	914	910	906
Mean†† . .	915	**921**	920	909	893	884	**879**	881	889	898	907	913	915	911	907

* See footnote on page B-31.

† Five international quiet days.

†† Five international disturbed days.

(Averages for sixty minutes centred at full hours of Greenwich mean time.)

JULY. 17000 γ PLUS TABULAR QUANTITIES.

Hour (G. M. T.).									Mean.*	Maximum.		Minimum.		Date.
15	16	17	18	19	20	21	22	23		Time.	Mag.	Time.	Mag.	
γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	H. M.	γ	H. M.	γ	
901	903	905	906	906	906	905	904	904	905	1 10	919	5 59	894	1
899	900	901	903	903	903	905	906	905	901	2 0	915	6 28	878	2††
911	913	915	915	914	913	913	913	915	909	1 18	920	6 16	885	3
916	920	920	920	921	922	921	922	922	918	1 5	931	6 18	901	4
914	916	920	923	923	922	921	921	921	920	1 59	933	5 38	900	5
918	917	919	920	920	921	919	919	921	917	1 6	939	5 40	902	6††
906	907	909	909	909	907	906	906	907	905	1 18	934	.. ..	..	7
893	896	899	899	899	896	895	894	893	893	1. 16	917	6 10	864	8
917	917	920	921	922	923	924	923	923	901	23 59	926	.. ..	..	9
932	934	933	931	934	933	934	935	934	923	1 19	940	6 44	880	10††
935	933	938	943	941	939	942	938	937	925	1 14	950	6 2	877	11††
927	928	932	933	934	935	934	934	933	926	1 22	**954**	6 34	899	12
917	919	919	921	921	920	921	920	920	920	1 39	943	6 38	900	13
906	908	908	908	909	909	908	907	908	903	0 50	927	4 50	871	14†
896	897	898	898	899	899	898	898	898	896	1 12	917	5 59	872	15†
886	887	888	889	889	889	890	890	890	**883**	1 51	913	5 23	**845**	16
925	927	931	934	934	933	933	932	931	911	23 58	937	5 54	860	17
927	927	928	928	929	930	930	930	931	**928**	1 22	951	6 21	905	18
925	926	927	928	929	930	928	928	929	920	1 3	939	6 44	879	19
924	926	927	926	925	925	925	925	926	918	1 6	941	5 22	878	20
915	917	918	918	917	917	916	916	915	917	1 18	938	7 3	881	21†
909	910	913	914	915	915	915	915	916	904	1 35	924	5 12	865	22
915	917	918	918	918	919	920	921	922	914	1 28	930	4 30	887	23†
916	918	919	919	921	921	920	920	921	913	1 12	934	7 26	878	24†
913	911	914	915	915	916	917	916	917	910	1 28	932	5 22	883	25
906	908	909	910	910	910	909	909	908	903	1 2	924	5 44	868	26
899	901	903	904	903	901	901	901	900	898	0 58	919	6 8	868	27
910	912	914	915	917	917	917	917	918	908	10 58	931	6 12	871	28
911	912	914	919	917	916	918	918	919	911	1 10	927	6 12	875	29††
914	915	915	916	917	917	917	918	919	911	0 58	934	5 38	880	30
914	918	920	918	920	920	920	920	923	917	1 0	931	4 45	875	31
913	914	916	917	917	917	917	917	917	911					Mean.
910	912	913	914	915	915	915	915	916	908					Mean.†
919	918	920	922	922	921	922	921	921	915					Mean.††

AUGUST.

914	916	916	916	915	914	914	914	915	910	1 0	928	6 16	872	1
908	908	908	908	908	907	907	906	907	907	1 3	924	6 19	874	2
904	905	906	907	907	907	906	907	907	903	1 7	917	5 22	874	3
905	907	907	907	907	908	907	907	908	902	1 18	918	6 24	861	4
908	907	911	914	913	911	910	910	909	901	1 11	922	6 49	**851**	5††
908	909	912	913	913	914	913	912	912	909	1 42	927	5 56	884	6††
911	913	914	915	915	915	915	914	914	910	1 2	927	5 16	879	7†
910	912	914	915	915	916	915	913	914	909	1 22	927	5 58	879	8††
907	908	908	909	910	912	912	913	913	910	1 18	927	6 52	894	9
901	903	905	906	907	906	906	906	906	901	1 2	918	4 30	873	10††
907	910	911	912	913	914	915	915	915	904	10 18	921	6 0	860	11†
910	913	915	916	917	918	919	917	919	909	1 38	926	6 4	871	12
915	919	919	920	922	923	923	923	923	917	1 36	933	6 4	890	13
917	919	921	921	923	922	923	922	923	**919**	2 6	930	4 40	905	14
909	911	913	913	914	915	914	915	915	909	1 30	933	6 25	887	15
902	904	906	906	907	906	906	906	906	907	1 32	920	6 53	894	16
894	895	896	897	897	896	897	897	897	**896**	1 55	920	7 44	877	17
903	906	909	912	913	914	914	913	914	901	23 59	916	6 3	871	18†
913	915	917	918	918	919	919	918	918	912	2 44	929	7 0	879	19†
915	915	918	919	920	920	920	920	920	917	1 54	927	6 2	907	20
913	915	917	918	919	919	919	919	919	913	1 55	932	6 22	878	21
909	911	912	914	914	914	915	915	915	909	1 30	928	5 18	869	22
902	904	906	909	910	911	911	911	911	901	1 26	927	6 34	871	23†
901	902	905	906	907	908	908	909	909	904	1 37	921	6 40	883	24
903	905	907	909	911	911	911	911	911	905	1 40	924	6 48	881	25
907	909	911	913	914	915	915	915	915	904	1 43	920	6 24	871	26
908	909	913	915	918	919	918	918	919	907	0 55	925	5 42	867	27
915	916	918	918	921	922	921	921	923	915	1 12	932	5 4	893	28
913	914	914	917	917	918	919	918	918	912	1 21	**938**	6 54	885	29
908	908	910	912	911	912	912	911	912	909	1 9	931	6 41	894	30††
901	903	903	905	906	906	905	904	904	899	1 12	919	5 16	867	31
908	909	911	912	913	913	913	913	913	907					Mean.
907	909	911	912	912	913	913	912	912	905					Mean.†
907	908	911	912	912	912	912	911	911	906					Mean.††

* See footnote on page B-31.
† Five international quiet days.
†† Five international disturbed days.

(Averages for sixty minutes centred at full hours of Greenwich mean time.)

SEPTEMBER. 17000 γ PLUS TABULAR QUANTITIES.

Date.	Hours (G. M. T.).														
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14
	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ
1	909	915	914	902	889	882	879	878	887	896	899	898	900	896	893
2	906	912	908	896	883	871	859	868	884	895	904	909	910	906	903
3†	924	930	929	918	900	881	876	882	896	904	909	919	919	911	912
4	929	937	916	916	895	885	880	883	893	910	924	932	931	921	918
5	933	940	**946**	937	922	905	901	901	905	909	915	917	916	913	914
6	923	929	929	910	876	876	884	887	894	910	913	911	907	900	897
7†	909	914	914	898	882	874	869	868	878	889	897	895	891	891	892
8	898	903	906	895	877	858	850	853	860	873	879	884	885	882	881
9	888	895	899	890	868	847	**834**	835	848	865	877	881	881	879	876
10	879	886	882	870	857	862	867	872	886	902	910	913	914	917	918
11††	929	939	940	924	901	885	881	889	900	911	923	924	921	921	924
12	927	936	935	926	911	902	899	899	905	915	919	917	915	917	920
13†	917	926	925	905	878	863	862	876	890	903	909	907	900	899	902
14	900	909	906	888	863	853	849	860	879	897	907	906	903	907	915
15	920	926	928	913	890	879	883	887	900	913	925	925	918	916	918
16†	920	929	930	914	890	869	865	870	880	893	910	918	915	911	912
17	921	927	930	921	902	881	874	879	889	898	907	914	911	913	916
18	920	925	923	911	894	878	873	875	887	899	907	911	911	911	912
19	922	926	930	921	903	881	861	863	884	905	917	917	911	907	910
20	913	917	924	919	909	898	883	876	885	902	914	914	907	903	906
21	909	911	923	920	903	888	871	875	884	899	905	905	900	897	898
22	905	909	913	905	915	871	862	864	875	891	901	900	895	896	897
23††	903	908	915	911	896	884	873	874	877	889	897	895	894	899	901
24	914	917	921	912	899	899	891	886	893	903	908	907	906	907	907
25†	916	920	927	922	908	896	887	884	898	910	914	912	907	903	905
26††	909	913	919	916	900	883	873	873	882	897	905	904	899	897	899
27††	905	909	909	900	881	865	854	858	874	891	905	897	888	888	891
28	895	898	897	891	876	848	843	859	875	892	893	884	873	873	880
29††	896	899	897	878	867	861	851	857	873	887	894	891	887	882	885
30	889	893	896	892	876	850	839	847	859	873	878	877	872	877	882
Mean . .	911	917	**918**	907	890	876	**869**	873	884	897	905	906	903	901	903
Mean† . .	914	921	**923**	910	889	875	**870**	874	887	899	907	911	907	903	905
Mean†† . .	907	913	**915**	905	888	875	**865**	869	881	895	904	902	898	897	901

OCTOBER.

1	884	887	894	894	891	888	892	901	913	931	943	947	944	948	955
§2†	969	975	**981**	973	949	928	..	..	..	..	..	..	..	..	..
§3†	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
§4	..	..	..	..	..	..	..	..	**799**	821	837	845	847	849	854
5	872	877	880	871	872	867	861	862	872	881	889	891	888	888	890
6	897	901	906	901	875	869	861	856	862	872	879	885	881	882	885
7	892	896	898	884	872	864	863	866	879	897	907	907	904	906	913
8	916	919	925	921	911	895	887	885	894	902	906	904	905	909	913
9	920	923	927	926	915	900	890	882	888	902	909	912	909	908	914
10††	920	926	929	926	897	884	871	875	884	891	891	889	889	895	897
11	910	915	922	920	913	882	873	870	875	887	897	896	889	889	896
12	901	905	913	914	897	862	847	848	867	882	891	891	884	884	891
13	900	906	909	901	886	873	868	875	884	893	893	889	883	885	889
14	890	894	898	891	891	887	876	874	885	892	893	891	887	886	888
15	904	912	910	903	887	883	884	889	901	911	914	914	911	913	918
16††	931	934	937	933	924	911	907	907	909	914	918	916	911	909	911
17††	921	922	931	933	903	904	898	897	897	894	894	893	891	894	896
18	907	911	917	917	915	892	886	890	892	896	896	894	886	886	887
19	891	897	907	911	910	884	875	877	878	879	882	877	869	867	869
20	868	873	878	880	883	879	874	879	882	887	887	884	879	879	880
21	884	886	891	891	889	889	886	886	891	895	895	888	882	881	881
22†	886	891	893	886	883	875	871	880	886	888	889	887	883	886	888
23	897	905	913	912	908	898	893	898	903	905	903	899	887	885	887
24††	895	898	905	906	901	899	896	897	899	899	899	896	893	893	894
25	889	890	890	889	881	877	872	872	876	878	880	879	876	878	879
§26	881	883	886	888	886	..	..	..	..	..	..	..	..	..	..
§27†	..	..	..	..	870	863	865	877	885	887	887	880	871	874	880
28†	911	919	925	921	913	903	895	901	907	911	911	904	897	904	909
29	930	937	943	946	942	928	915	918	919	919	915	907	897	899	901
30	886	889	894	887	870	849	845	856	872	874	873	871	868	875	885
31††	909	903	905	903	891	886	887	897	901	908	908	907	900	900	907
Mean .	900	905	**909**	906	897	886	**880**	882	889	896	899	897	892	893	897
Mean† .	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Mean†† .	913	916	**921**	920	902	896	**891**	895	898	901	902	900	896	898	901

† Five international quiet days.

†† Five international disturbed days.

§ The V. F. instrument was under adjustment on this day. The day has been omitted for means.

(Averages for sixty minutes centred at full hours of Greenwich mean time.)

SEPTEMBER. 17000 γ PLUS TABULAR QUANTITIES.

Hours (G. M. T.).									Mean.*	Maximum.		Minimum.		Date.
15	16	17	18	19	20	21	22	23		Time.	Mag.	Time.	Mag.	
γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	H. M.	γ	H. M.	γ	
893	893	894	896	897	898	898	898	898	896	1 36	919	6 43	876	1
904	906	909	910	911	911	911	911	913	900	23 59	914	6 8	858	2
914	917	919	920	921	921	921	920	920	912	1 21	932	5 37	874	3†
919	921	923	923	924	925	924	922	923	917	1 50	940	5 52	878	4
916	918	919	921	921	922	922	921	920	919	1 54	947	5 25	900	5
899	900	903	904	905	906	906	905	906	903	1 36	934	6 13	871	6
893	893	895	897	898	898	898	897	897	893	1 34	917	6 43	865	7†
881	882	883	884	884	885	886	886	886	881	1 32	907	5 58	848	8
873	874	876	878	879	880	879	879	879	873	1 46	899	6 12	831	9
919	920	923	925	925	927	926	927	929	903	23 59	932	3 58	854	10
926	927	928	928	930	930	930	929	930	920	1 22	944	6 5	879	11††
920	921	921	922	923	923	923	922	923	918	1 20	938	6 11	898	12
903	904	904	904	905	905	905	903	904	900	1 34	930	5 36	857	13†
917	918	919	921	922	923	923	924	925	902	23 57	926	5 49	847	14
917	918	921	923	924	924	924	923	924	914	1 46	930	4 46	877	15
912	912	914	916	916	917	917	918	918	907	1 25	932	6 12	864	16†
917	917	919	921	922	922	921	921	921	911	1 34	931	5 40	873	17
913	915	917	918	919	920	919	919	918	908	1 20	927	6 30	872	18
911	911	913	915	916	917	917	915	914	907	2 2	931	6 15	857	19
907	907	908	910	911	911	911	910	909	906	1 56	925	6 33	857	20
900	901	901	903	905	905	903	902	901	900	2 23	925	6 18	867	21
897	906	900	903	903	904	903	902	900	897	1 37	915	6 26	859	22
903	907	905	908	909	909	907	906	906	899	2 18	917	6 13	869	23††
907	906	908	910	911	911	909	908	908	906	2 6	921	6 52	884	24
904	903	903	905	906	905	902	901	900	906	2 0	928	6 32	881	25†
901	906	908	911	909	909	907	905	905	901	2 32	921	6 28	866	26††
892	891	892	893	894	895	893	892	892	889	1 44	910	6 22	852	27††
882	882	883	884	884	885	884	884	883	880	1 22	899	5 36	839	28
887	887	887	890	890	890	888	887	887	883	1 26	902	6 4	847	29††
883	881	882	884	887	885	884	885	884	877	1 49	897	5 53	840	30
904	905	906	907	908	909	908	907	907	901					Mean.
906	907	908	910	911	911	911	910	910	903					Mean.†
902	904	905	906	907	907	906	905	905	899					Mean.††

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956	958	963	968	968	967	967	967	968	935	23 59	970	0 11	884	1
..	..	..	..	..	..	..	..	..	..	.. ..	..	.. ..	..	§2†
..	..	..	..	..	..	..	..	..	..	.. ..	..	.. ..	..	§3†
857	858	862	866	868	869	870	870	872	..	.. ..	..	.. ..	..	§4
891	891	893	896	896	895	895	898	897	884	22 20	899	6 32	860	5
886	886	887	889	890	890	891	891	891	884	2 22	907	6 58	855	6
914	917	919	920	919	920	920	920	919	901	23 59	921	5 14	861	7
912	912	915	917	918	920	919	919	919	911	2 10	926	6 32	882	8
914	912	914	916	917	916	917	918	919	911	2 14	929	7 34	879	9
901	902	902	905	905	906	907	907	908	900	1 29	932	6 6	869	10††
896	896	898	900	900	900	900	899	899	897	2 30	923	5 18	869	11
890	889	893	895	895	895	896	897	898	888	2 38	916	6 24	844	12
889	889	891	891	891	891	890	890	892	889	1 56	910	6 0	863	13
889	891	894	897	899	900	901	901	901	892	23 59	904	6 50	872	14
919	919	920	922	922	923	925	927	928	911	23 59	930	4 42	881	15
912	914	916	917	915	914	914	917	919	917	2 22	938	6 37	905	16††
895	897	901	903	903	904	904	905	906	903	3 8	935	12 22	891	17††
885	885	886	886	886	887	888	888	889	894	2 16	918	6 4	883	18
866	866	868	868	867	868	868	867	866	878	2 46	912	15 12	865	19
877	877	878	880	879	879	880	879	881	879	9 9	888	0 0	867	20
876	875	876	878	879	881	882	882	883	885	9 32	897	16 10	874	21
886	886	888	889	890	889	891	892	894	887	23 59	897	5 48	869	22†
886	883	885	888	889	890	890	891	894	895	2 12	914	16 22	883	23
893	893	892	891	890	889	889	890	889	895	3 49	978	20 6	888	24††
878	877	877	879	879	878	878	879	879	879	0 42	891	6 52	871	25
..	..	..	..	..	..	..	..	..	..	.. ..	..	.. ..	..	§26
877	874	877	879	882	888	894	900	906	..	.. ..	..	.. ..	..	§27†
905	902	902	904	904	905	909	913	920	909	23 59	927	6 1	895	28†
896	890	893	894	894	893	893	893	893	910	3 3	948	16 10	890	29
887	887	890	894	896	896	898	898	902	881	23 59	904	5 58	842	30
910	918	922	921	921	923	923	925	928	909	23 58	932	5 26	879	31††
897	897	899	900	900	901	901	902	903	897					Mean.
..	..	..	..	..	..	..	..	..	..					Mean.†
902	905	907	908	907	907	908	909	910	905					Mean.††

* See footnote on page B-31.

† Five international quiet days.

†† Five international disturbed days.

§ The V. F. instrument was under adjustment on this day. The day has been omitted for means.

(Averages for sixty minutes centred at full hours of Greenwich mean time,)

NOVEMBER. 17000 γ PLUS TABULAR QUANTITIES.

Date.	Hours (G. M. T.)														
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14
	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ
1	932	935	944	**954**	952	937	921	922	926	923	922	919	907	907	912
2	919	924	930	926	914	902	891	892	901	911	912	908	903	910	915
3††	926	930	938	936	923	907	903	915	925	916	908	903	902	908	914
4	917	915	917	919	921	922	920	919	919	909	898	896	892	897	900
5	906	907	911	911	900	889	885	883	882	881	883	885	886	892	895
6	913	916	922	927	928	921	913	908	917	919	917	917	912	917	921
7	945	947	952	952	939	928	928	931	943	952	949	941	934	939	942
8	941	941	943	939	926	914	910	909	916	916	920	915	907	912	917
9	916	918	921	923	923	911	904	907	907	905	899	897	896	900	905
10	906	906	911	909	897	881	864	**856**	861	866	874	879	876	881	887
11††	893	893	891	895	893	895	887	887	900	906	897	887	877	881	887
12	903	901	895	893	891	888	892	902	922	926	925	924	920	927	931
13†	944	946	946	943	931	930	926	928	935	935	932	927	921	929	936
14	944	947	948	945	930	915	906	909	916	918	916	914	916	923	931
15††	930	929	933	935	928	916	906	906	909	906	906	907	909	914	920
16††	919	918	916	919	916	915	913	915	918	916	912	907	899	901	907
17	914	913	912	918	920	902	888	881	890	895	897	893	888	893	899
18§	916	915	919	918	917	901	..	..	895	898	896	897	894	899	904
19	913	911	909	908	897	890	887	896	903	902	899	901	902	904	907
20§	907	907	908	907	..	..	..	..	..	..	..	..	..	..	..
21	931	932	934	938	929	915	905	907	913	913	915	916	913	916	918
22†	917	917	920	920	914	906	894	892	897	900	904	908	909	909	910
23†	907	908	910	914	916	912	906	901	904	906	905	909	908	910	913
24†	916	917	920	925	926	923	916	916	922	924	920	918	920	925	927
25†	918	917	916	916	911	902	900	902	914	920	919	913	913	919	920
26	913	914	915	917	912	903	896	889	889	892	894	893	898	905	907
27	908	909	908	910	919	908	908	909	911	904	906	911	915	920	924
28	921	921	921	924	925	921	913	911	913	908	906	909	910	914	918
29††	915	917	924	930	929	933	941	939	933	927	920	908	914	925	923
30	923	923	920	925	922	913	904	908	917	916	915	911	907	911	915
Mean .	920	920	922	**924**	919	911	**905**	905	911	911	910	908	905	910	914
Mean† .	920	921	922	**923**	920	914	908	**907**	915	917	916	915	914	919	922
Mean†† .	916	917	920	**923**	917	913	909	912	917	914	909	902	**900**	906	911

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1	910	911	913	916	911	891	875	881	894	903	906	901	894	897	903
2	905	905	906	907	898	887	890	892	894	901	904	898	891	894	897
3	903	903	904	900	894	883	876	878	889	901	909	911	907	908	913
4††	923	925	927	933	934	932	931	918	921	923	927	925	921	920	923
5	922	922	920	922	921	913	907	907	907	908	905	904	902	905	908
6	907	906	905	906	907	905	903	895	894	897	900	901	899	898	899
7	899	898	898	902	903	898	892	889	887	883	887	895	895	894	895
8	900	901	900	903	903	897	892	891	887	882	884	889	891	892	895
9†	901	902	902	907	905	898	897	892	888	890	889	891	888	888	893
10†	886	885	883	884	881	875	876	880	882	877	873	873	877	881	885
11	878	877	876	885	885	874	863	865	865	867	870	870	866	867	872
12††	867	867	868	872	871	866	871	877	882	892	900	902	905	911	917
13††	919	921	921	925	933	931	921	916	911	914	913	916	918	922	926
14	925	926	922	929	937	936	941	941	**944**	938	930	927	925	926	928
15	917	919	917	918	914	914	916	915	910	905	908	912	916	916	918
16	910	910	910	912	913	910	909	911	914	916	913	911	911	912	913
17	908	906	905	910	908	903	899	897	901	901	897	899	901	900	904
18	895	897	895	896	892	891	893	895	893	890	891	889	883	881	883
19†	886	887	887	890	892	889	886	888	889	888	887	886	885	886	887
20	895	896	898	905	911	906	911	913	913	911	910	911	911	909	910
21	925	927	928	932	937	934	931	926	920	918	923	921	918	919	920
22†	924	926	928	928	921	919	919	919	922	919	918	918	918	919	921
23	909	909	907	911	910	900	887	890	894	894	885	885	892	891	893
24†	889	889	890	891	892	889	883	875	870	872	869	876	875	875	878
25	876	876	876	879	882	867	859	863	867	866	858	858	861	864	869
26	881	884	888	892	895	892	888	884	879	873	867	865	870	873	874
27††	885	891	896	900	892	884	881	890	902	895	892	888	889	894	901
28††	906	910	912	923	942	932	926	926	919	906	901	901	902	901	897
29	905	908	910	918	928	928	920	920	929	929	919	902	891	885	886
30	883	889	897	896	878	856	**853**	865	874	873	881	882	873	869	869
31	885	891	901	902	898	878	871	879	890	890	893	895	887	885	887
Mean .	901	902	903	**906**	906	899	896	896	898	897	897	897	895	896	899
Mean† .	893	894	894	**897**	895	891	890	889	889	888	**887**	889	888	890	894
Mean†† .	907	910	911	917	**920**	913	910	909	910	908	908	907	**907**	909	912

* See footnote on page B-31.
† Five international quiet days.
†† Five international disturbed days.
§ Loss of record. The day has been omitted for means.

(Averages for sixty minutes centered at full hours of Greenwich mean time.)

NOVEMBER. 17000 γ PLUS TABULAR QUANTITIES.

Hours (G. M. T.)									Mean.*	Maximum.		Minimum.		Date.
15	16	17	18	19	20	21	22	23		Time.	Mag.	Time.	Mag.	
γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	H. M.	γ	H. M.	γ	
911	911	915	916	916	916	916	915	917	922	3 56	957	12 44	902	1
913	913	916	919	919	920	919	919	922	913	2 31	931	6 30	888	2
915	917	921	925	924	926	925	922	923	919	2 8	941	5 30	899	3††
898	899	902	904	905	904	904	903	903	907	4 42	923	12 1	891	4
894	893	897	901	900	901	903	903	903	896	3 11	913	8 40	879	5
920	919	922	924	923	925	926	928	929	921	23 49	933	6 50	906	6
940	941	945	945	943	943	942	941	940	942	8 59	954	5 45	926	7
916	914	915	919	919	918	918	917	919	919	1 54	945	12 18	905	8
903	902	902	904	905	903	903	902	903	906	3 20	935	12 12	895	9
884	881	886	891	891	890	889	886	886	885	2 6	912	7 25	854	10
885	889	892	894	895	894	893	899	898	892	8 51	908	12 10	875	11††
928	929	933	935	933	935	936	937	936	919	23 57	938	5 0	883	12
935	932	934	937	937	936	937	936	937	935	1 14	948	11 56	920	13†
929	929	932	934	933	933	931	932	931	927	2 28	950	6 34	905	14
919	923	929	930	927	928	928	922	925	920	2 38	936	6 34	902	15††
905	907	913	913	912	912	909	910	907	911	0 38	921	11 52	897	16††
898	899	901	905	905	905	905	904	905	901	3 48	924	7 2	877	17
904	905	909	913	913	913	914	914	913	..	2 22	921	..	..	18§
906	907	911	912	913	911	910	910	908	905	18 44	915	5 50	885	19
..	..	..	930	930	930	931	930	930	..	23 59	932	3 47	896	20§
917	918	920	922	923	923	923	923	923	920	2 50	939	6 30	903	21
909	907	908	910	911	912	912	913	913	909	2 35	922	6 30	890	22†
912	909	910	913	915	915	916	917	919	911	23 59	921	6 50	901	23†
926	924	923	926	926	925	925	927	927	923	23 59	929	6 38	914	24†
918	919	919	919	919	918	918	918	919	915	13 40	921	4 41	899	25†
906	906	908	910	911	910	910	910	912	905	2 51	918	7 25	885	26
922	919	921	921	922	921	922	922	922	915	13 42	924	9 22	901	27
917	917	919	920	919	919	918	919	919	917	3 44	928	9 50	905	28
923	921	922	923	923	922	922	922	923	924	6 8	953	11 53	899	29††
913	912	912	915	916	916	915	915	916	915	3 26	930	6 26	901	30
913	913	915	917	917	917	917	917	917	914					Mean.
920	918	919	921	922	921	922	922	923	918					Mean.†
910	912	916	917	917	917	916	916	915	913					Mean.††

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903	903	905	907	906	906	907	906	905	902	2 59	919	6 3	873	1
894	894	894	895	895	896	897	897	897	897	2 36	909	5 16	885	2
913	912	913	917	917	916	916	916	918	905	23 28	919	6 26	873	3
921	919	921	921	922	921	921	919	919	924	5 51	941	8 42	916	4††
907	905	904	906	907	907	909	909	906	909	3 22	924	11 50	901	5
897	896	897	900	900	900	900	899	898	900	3 48	909	7 36	892	6
894	893	894	897	898	899	897	896	894	895	4 2	904	8 54	883	7
895	894	894	896	897	897	897	897	896	895	3 30	904	9 17	882	8
891	890	891	892	893	894	893	893	893	894	3 36	908	12 16	886	9†
885	882	881	882	883	883	884	884	884	881	0 28	886	10 22	872	10†
871	869	870	871	871	871	871	869	870	871	3 46	887	6 11	862	11
916	915	917	921	922	923	922	921	921	899	21 28	924	5 8	864	12††
924	925	927	928	929	927	928	927	930	923	4 28	937	7 50	909	13††
925	924	925	926	925	923	923	923	924	929	7 32	945	1 55	920	14
917	916	918	918	918	918	917	917	917	915	0 44	919	9 4	904	15
912	911	913	915	916	917	917	917	916	913	21 42	918	6 0	907	16
904	903	904	906	907	907	907	907	907	903	3 8	911	9 58	896	17
883	881	882	883	885	885	885	885	886	888	0 50	898	12 46	880	18
886	886	888	889	890	891	892	893	894	889	23 18	895	14 47	884	19††
911	910	910	912	914	915	917	919	921	911	23 54	925	0 0	895	20
919	916	917	918	917	918	919	919	922	923	4 16	940	16 2	914	21
917	913	910	910	912	912	912	912	913	918	2 52	929	17 32	908	22†
890	883	881	883	884	887	887	888	889	893	2 52	913	16 50	879	23
877	873	871	871	873	874	873	875	874	878	3 56	893	10 0	868	24†
868	863	863	865	869	870	872	873	878	868	3 50	884	10 48	857	25
871	868	868	870	871	872	874	877	881	877	3 40	896	10 42	863	26
897	894	893	893	896	896	895	901	901	894	23 58	908	6 6	878	27††
895	899	898	897	899	901	899	901	901	908	3 45	940	15 13	891	28††
881	878	876	877	876	875	875	876	879	888	8 28	935	20 40	873	29
867	861	858	859	859	859	859	862	865	870	2 36	901	5 58	851	30
883	884	886	889	890	889	889	890	891	889	3 42	905	5 54	870	31
897	895	896	897	898	898	899	899	900	899					Mean.
892	890	890	891	893	894	894	895	896	892					Mean.†
903	908	908	908	909	908	907	908	907	909					Mean.††

* See footnote on page B-31.
† Five international quiet days.
†† Five international disturbed days.
§ Loss of record. The day has been omitted for means.

At Colaba, since 1883, a day is classed as (1) a quiet day, or a day of (2) small, (3) moderate, (4) great or (5) very great disturbance, the letters for distinguishing the respective classes being C, S, M, G and VG. For representing intermediate conditions of activity of the small period movements, sub-classifications Ca, Sa and Ma are used. Roughly speaking a storm having a range over 225 γ in the variation of the horizontal force during the first twenty-four hours after its commencement is classed as "Very Great". It is "Great" if the range is between 150 γ and 225 γ, "Moderate" if the range is between 65 γ and 150 γ and "Small" if the range is less than 65 γ. The range is however not the only criterion used in assigning the character of a storm. The oscillations in the magnetograms are duly taken into account in determining the class to which a particular storm should belong. During the year there was 1 day of "Great", 11 days of "Moderate" and 111 of "Small" disturbances. No storm of "Very Great" intensity was recorded during the year. The following table gives a list of principal disturbances recorded during the year. Of the smaller disturbances, only those which showed special features have been included in this table.

PRINCIPAL MAGNETIC DISTURBANCES, 1936.

Date.	Time of beginning. G. M. T.	Duration in hours.	Horizontal force during storm.				Range.	Relative magnitude.	Remarks
			Maximum.		Minimum.				
			Time.	Magnitude.	Time.	Magnitude.			
	H. M.		D. H. M.	γ	D. H. M.	γ	γ		
January 8	3 30	15	8 5 37	37644	8 14 15	37511	133	Sa	Commencement gradual.
„ 24	16 30	24	24 16 53	37569	24 20 38	37451	118	M	Do.
February 9	3 30	43	9 8 12	37607	10 15 24	37532	75	S	Do.
„ 14	9 23	13	14 9 35	37602	14 16 40	37518	84	S	Commencement sudden.
„ 16	10 58	35	16 21 26	37563	17 16 28	37487	76	Sa	Do.
March 21	2 30	9	21 5 48	37597	21 10 48	37507	90	Sa	Commencement gradual.
„ 23	2 30	18	23 4 23	37582	23 17 58	37513	69	S	Do.
April 1	13 30	10	1 13 34	37589	1 17 32	37506	83	Sa	Do.
„ 3	3 30	21	3 5 48	37677	3 19 54	37519	158	Sa	Do.
„ 19	3 30	117	19 6 50	37600	21 13 54	37487	113	S	Do.
May 10	16 30	31	11 7 54	37660	10 20 14	37531	129	Sa	Do.
„ 29	8 48	14	29 8 53	37625	29 13 46	37508	117	S	Commencement sudden.
„ 30	17 28	15	31 5 35	37634	30 17 29	37565	69	S	Do.
June 1	16 45	33	2 7 16	37625	2 21 18	37528	97	Sa	Do.
„ 8	22 30	25	9 2 54	37624	9 14 26	37506	118	M	Commencement gradual.
„ 18	9 42	49	20 4 58	37661	19 11 25	37407	254	Ma	Commencement sudden.
July 1	23 30	26	2 4 46	37696	2 13 24	37421	275	Ma	Commencement gradual.
„ 5	2 30	21	5 4 34	37650	5 13 0	37525	125	Sa	Commencement sudden.
„ 6	5 30	20	6 8 51	37623	6 12 28	37501	122	Sa	Commencement gradual.
„ 11	8 30	12	11 8 57	37618	11 15 36	37538	80	Sa	Do.
„ 17	17 15	20	18 6 53	37650	17 20 0	37588	62	S	Commencement sudden.
29	5 30	15	29 6 52	37682	29 15 0	37520	162	M	Commencement gradual.
September 22	21 30	15	23 5 9	37668	23 12 30	37596	72	S	Do.
„ 25	23 30	24	26 6 28	37650	26 13 48	37512	138	M	Do.
October 16	15 02	46	18 6 5	37676	16 19 34	37522	154	M	Commencement sudden.
„ 24	7 30	14	24 7 37	37670	24 17 46	37521	149	Sa	Commencement gradual.
„ 31	1 26	25	31 5 28	37709	31 12 24	37485	224	G	Commencement sudden

PRINCIPAL MAGNETIC DISTURBANCES, 1936—*contd.*

Date.	Times of beginning. G. M. T.	Duration in hours.	Horizontal force during storm.				Range.	Relative magnitude.	Remarks.
			Maximum.		Minimum.				
			Time.	Magnitude.	Time.	Magnitude.			
	H. M.		D. H. M.	γ	D. H. M.	γ	γ		
November 11	5 30	18	11 5 36	37692	11 16 36	37537	155	M	Commencement gradual.
„ 15	3 30	20	15 6 20	37693	15 14 48	37538	155	M	Do.
„ 28	23 39	22	29 0 9	37691	29 9 53	37495	196	Ma	Commencement sudden.
December 4	2 30	19	4 5 16	37700	4 16 11	37590	110	S	Commencement gradual.
„ 27	22 30	21	28 0 46	37611	28 14 44	37478	133	M	Do.

Fourier analysis of the diurnal and annual variations of Horizontal Force for the five International quiet days during 1936.

Diurnal variation: $\triangle H = c_1 \sin(\theta + \varphi_1) + c_2 \sin(2\theta + \varphi_2) + \ldots\ldots$; θ is counted at the rate of 15° per hour from midnight to midnight (G. M. T.).

Annual variation: $\triangle H = c_1 \sin(\theta + \varphi_1) + c_2 \sin(2\theta + \varphi_2) + \ldots\ldots$; θ is counted at the rate of 30° per average month.

Quantity.	Diurnal variation.												Annual Variation.
	Jan.	Feb.	March.	April.	May.	June.	July.	August.	Sept.	Oct.	Nov.	Dec.	
	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ
c_1	12·2	16·9	25·7	29·3	28·7	26·2	29·0	21·9	18·2	22·7	17·3	17·4	3·2
c_2	5·6	7·8	11·4	14.1	15·7	12·6	15·1	10·7	9·7	11·0	8·2	7·5	2·6
c_3	1·6	2·2	4·5	6·7	5·6	3·5	3·2	3·5	5·5	5·8	4·5	3·7	3·0
c_4	0·6	0·3	1·7	2·3	1·9	0·8	1·3	1·5	1·9	2·6	1·2	1·8	1·7
c_1/c_2	2·2	2·2	2·3	2·1	1·8	2·1	1·9	2·0	1·9	2·1	2·1	2·3	1·2
	° ′	° ′	° ′	° ′	° ′	° ′	° ′	° ′	° ′	° ′	° ′	° ′	° ′
φ_1	339 42	337 38	341 39	348 35	348 35	346 12	345 13	344 15	330 47	347 45	356 27	352 25	225 23
φ_2	210 1	218 25	234 29	254 58	254 2	246 12	236 40	242 10	233 40	253 9	260 44	265 35	282 49
φ_3	168 46	117 57	163 57	172 37	172 31	137 59	133 52	153 35	147 3	176 19	183 34	160 24	207 5
φ_4	346 24	329 2	58 27	85 17	106 24	108 52	197 4	61 45	57 23	68 53	55 17	21 55	208 17

TABLE I–POTENTIAL GRADIENT (VOLTS PER METRE), 1936.

Reduction Factor :—1·91

Hour sI.S.T. Date.	January.				February.				March.			
	2—3	8—9	14—15	20—21	2—3	8—9	14—15	20—21	2—3	8—9	14—15	20—21
1	195	180	..	..	298	237	137	208	38	171	143	130
2	..	..	..	95	265	294	118	175	114	290	—85	114
3	189	426	90	142	194	189	142	213	228	256	—4	116
4	170	417	95	152	121	568	170	180	109	482	..	..
5	111	133	88	144	256	208	104	185	..	..	..	..
6	172	194	116	158	189	204	123	156	..	..	122	138
7	294	237	—9	139	52	265	128	152	185	76	95	76
8	327	511	..	..	210	294	74	133	134	351	—86	116
9	..	..	..	237	227	303	123	137	109	234	15	76
10	208	294	142	204	182	189	52	161	86	317	55	84
11	369	279	114	..	227	116	133	142	312	403	93	100
12	..	..	125	227	218	284	341	161	106	Z+	Z+	128
13	201	322	161	..	85	246	161	123	346	322	105	246
14	..	..	133	152	189	298	208	109	105	185	>540	114
15	133	568	138	161	147	246	78	90	Z+	118	232	112
16	270	513	180	180	36	189	104	87	151	437	—100	57
17	346	265	170	199	109	213	106	131	49	167	33	97
18	284	208	..	..	204	166	..	125	15	58	76	36
19	..	..	..	189	180	317	52	127	74	73	66	114
20	66	180	147	119	305	313	95	134	84	128	123	149
21	180	355	128	128	213	265	104	118	28	199	81	114
22	83	208	142	137	66	407	114	106	55	317	95	138
23	114	170	118	121	62	213	156	85	106	412	76	97
24	246	473	71	142	223	199	76	137	14	166	64	55
25	175	341	133	133	241	365	57	68	91	100	65	49
26	206	164	62	116	76	241	90	66	18	90	80	95
27	260	256	109	137	19	189	66	71	166	151	91	77
28	311	206	183	128	99	156	99	104	15	271	66	103
29	118	109	85	95	161	170	90	109	39	82	39	50
30	256	185	95	142					43	81	39	95
31	175	379	142	180					87	154	95	105
Mean†	210	291	124	154	167	253	118	131	104	218	85	103

Hours I.S.T. Date.	July.				August.				Sepetmber.			
	2—3	8—9	14—15	20—21	2—3	8—9	14—15	20—21	2—3	8—9	14—15	20—21
1	166	125	138	174	201	188	170	161	118	150	103	138
2	174	165	171	197	129	54	134	116	145	143	116	116
3	161	201	137	201	174	152	147	147	118	118	109	145
4	165	174	169	165	152	148	152	125	153	131	109	138
5	156	147	165	156	165	112	134	134	155	83	161	123
6	156	161	181	147	125	89	134	—36	183	143	98	136
7	179	138	179	147	118	129	..	..	71	114	103	89
8	161	134	158	138	..	..	..	134	170	134	Z	107
9	116	127	162	147	159	116	141	136	—18	111	136	112
10	161	125	175	156	121	104	165	152	107	89	67	129
11	161	107	170	174	176	147	161	129	103	165	129	161
12	183	143	107	114	152	123	156	156	187	107	143	154
13	156	130	148	127	161	156	152	121	161	94	152	170
14	138	..	..	134	98	152	152	—18	129	103	107	152
15	134	125	76	156	96	Z	129	147	152	98	116	127
16	161	98	121	107	147	98	118	134	96	156	105	125
17	107	143	143	132	143	134	147	147	58	105	129	134
18	134	116	156	170	161	159	161	174	255	205	129	165
19	174	125	174	168	154	129	94	147	268	259	112	161
20	163	121	134	161	..	..	..	116	121	250	138	321
21	121	129	152	107	..	..	..	98	89	152	152	143
22	125	129	165	155	—125	165	189	192	1000	286	..	..
23	192	179	197	176	201	163	183	165	..	..	..	195
24	197	187	168	152	..	..	..	121	141	141	159	145
25	134	129	170	143	139	134	165	165	72	217	103	125
26	143	111	143	107	161	134	147	152	94	72	124	53
27	156	89	121	94	89	143	156	156	18	62	122	125
28	147	146	138	152	147	65	105	111	116	134	89	27
29	165	156	187	152	138	147	156	118	44	35	—106	177
30	201	192	..	152	179	130	138	138	44	53	125	62
31	134	183	..	174	125	145	138	147				
Mean †	156	141	154	150	147	131	147	141	156	135	121	136

† Mean from all positive readings.

.. Loss of Record.

Note.—The Potential Gradient is reckoned as positive if the potential increases upwards. For indeterminate potential gradient the following notation is used: Z+ Indeterminate, positive value; Z— Indeterminate negative value; Z ± ndeterminate in magnitude and sign.

Reduction Factor:—1·91.

April.				May.				June.				Hours I.S.T. Date.
2—3	8—9	14—15	20—21	2—3	8—9	14—15	20—21	2—3	8—9	14—15	20—21	
151	197	327	100	90	..	80	79	147	123	..	85	1
68	59	104	66	27	85	68	85	159	106	123	123	2
27	110	85	19	16	95	74	71	142	112	109	134	3
68	116	78	74	78	237	..	152	83	95	—95	..	4
57	57	85	116	161	128	118	161	..	..	159	161	5
114	102	95	123	161	358	105	116	116	114	139	152	6
81	83	109	99	64	85	106	142	133	133	142	161	7
71	241	28	76	102	128	114	109	135	93	133	118	8
147	189	30	137	170	87	83	152	..	128	118	114	9
147	284	66	90	79	89	102	128	142	..	..	166	10
14	27	59	..	36	123	118	119	166	..	..	..	11
..	..	85	66	83	128	116	116	..	—57	15	144	12
53	156	76	43	95	128	128	104	136	147	118	104	13
14	43	78	52	74	112	109	110	185	76	133	123	14
60	71	83	52	59	85	106	112	152	123	128	147	15
95	121	140	85	123	133	99	144	170	152	142	166	16
106	189	49	89	100	76	99	85	156	137	128	175	17
172	121	57	74	85	76	102	114	137	132	93	133	18
90	106	..	..	80	74	93	133	156	175	156	147	19
74	114	59	68	104	..	..	97	156	160	161	156	20
116	152	116	175	..	..	93	120	189	>426	189	Z±	21
123	327	109	80	114	98	118	150	<—663	—189	265	106	22
53	133	66	84	131	109	120	121	152	45	—701	142	23
36	47	57	..	133	109	125	104	Z—	682	265	208	24
..	..	46	76	90	95	106	99	201	183	189	142	25
30	104	53	78	128	95	118	109	Z—	152	189	171	26
24	126	58	68	227	95	123	128	193	—947	135	102	27
55	303	62	109	128	114	114	114	187	170	—140	227	28
66	142	74	118	147	123	114	99	235	265	227	..	29
90	..	76	109	85	104	104	114	..	223	175	185	30
				118	137	133	128					31
81	138	83	86	103	119	106	117	158	162	151	146	Mean †

October.				November.				December.				Hours I.S.T. Date.
2—3	8—9	14—15	20—21	2—3	8—9	14—15	20—21	2—3	8—9	14—15	20—21	
27	121	116	98	500	152	134	170	170	179	125	154	1
71	121	94	94	134	152	188	138	196	192	250	112	2
61	121	..	138	196	165	114	165	255	152	112	116	3
125	112	107	105	219	138	89	366	259	152	109	165	4
94	129	94	102	277	179	143	125	232	263	85	156	5
76	228	89	107	170	210	89	156	210	170	196	143	6
67	183	121	85	125	129	67	107	272	195	132	159	7
58	89	67	80	..	..	..	Z±	241	205	107	205	8
76	205	71	85	71	147	205	170	201	437	116	186	9
63	246	105	76	—482	145	89	—1929	232	205	143	188	10
38	165	67	85	0	169	Z±	221	201	170	134	223	11
70	134	..	..	243	357	607	179	210	121	170	313	12
..	..	..	163	89	121	116	156	192	152	161	263	13
116	330	121	179	179	116	80	94	179	134	134	..	14
125	232	188	129	152	183	134	174	..	..	..	220	15
259	170	67	228	80	246	98	..	246	179	179	219	16
277	188	89	138	..	..	103	214	255	277	188	223	17
189	143	71	163	196	393	109	210	402	288	134	161	18
205	134	179	96	286	98	134	152	272	268	..	228	19
210	161	80	339	255	147	138	161	250	366	36±	250	20
179	192	107	259	223	89	94	161	198	630	—339	204	21
304	161	161	116	223	192	321	179	237	..	..	186	22
152	179	76	168	268	192	116	196	188	232	179	174	23
165	132	268	116	237	138	103	196	317	196	89	152	24
259	210	98	94	138	132	152	152	168	473	123	277	25
143	357	58	232	100	129	46	145	223	509	67	193	26
201	250	129	186	147	132	348	147	250	607	136	210	27
129	121	76	268	201	188	125	..	223	196	147	223	28
136	143	—45	152	..	..	89	152	272	299	138	198	29
112	98	73	..	192	192	67	161	219	183	174	261	30
..	..	80	156					248	272	127	268	31
137	174	106	146	181	172	146	171	234	266	137	201	Mean †

† Mean from all positive readings.

.. Loss of record.

Note.—The Potential Gradient is reckoned as positive if the potential increases upwards. For indeterminate potential gradient the following notation is used: Z+ Indeterminate, positive value; Z— Indeterminate, negative value; Z ± Indeterminate in magnitude and sign.

TABLE II. POTENTIAL GRADIENT (VOLTS PER METRE). HOURLY MEANS FOR EACH MONTH.
COMPLETE DAYS ONLY.

Hours I. S. T.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sep.	Oct.	Nov.	Dec.	Year.	Wet period May to October.	Dry period November to April.
0—1	242	174	106	79	99	161	156	131	140	183	223	235	161	145	177
1—2	228	181	113	78	116	154	150	150	134	166	227	230	161	145	176
2—3	204	165	125	87	101	156	157	145	125	143	205	234	154	138	170
3—4	213	179	130	93	92	158	142	145	126	129	188	223	151	132	171
4—5	191	177	170	94	92	143	145	134	119	121	148	204	145	126	164
5—6	206	204	164	110	98	137	146	139	118	136	156	199	151	129	173
6—7	225	215	194	155	109	85	143	136	125	147	138	223	158	124	192
7—8	252	239	232	174	113	134	130	139	133	171	143	254	176	136	216
8—9	283	261	252	157	101	50	139	125	125	183	162	267	175	120	230
9—10	279	266	215	120	96	64	152	123	148	173	161	255	171	126	216
10—11	248	217	133	109	105	126	149	135	152	184	152	243	163	142	184
11—12	213	178	129	96	103	117	146	143	141	185	159	321	161	139	183
12—13	155	136	108	80	107	169	153	131	119	155	163	172	137	139	136
13—14	142	128	77	93	107	36	156	142	97	121	177	145	118	110	127
14—15	118	120	39	86	106	108	154	147	109	95	135	122	112	120	103
15—16	105	120	17	70	102	96	148	140	164	89	122	131	109	123	94
16—17	105	128	21	63	100	107	152	131	193	81	120	143	112	127	97
17—18	110	130	58	71	102	—19	147	135	130	97	122	169	104	99	110
18—19	138	134	74	82	112	114	145	134	117	112	139	180	123	122	124
19—20	148	135	102	89	117	120	148	131	155	130	148	186	134	133	135
20—21	146	129	107	94	119	148	144	134	132	147	173	198	139	137	141
21—22	163	130	122	89	113	158	144	135	120	177	202	260	151	141	161
22—23	215	129	129	89	107	160	137	120	118	195	222	318	162	139	184
23—24	257	142	119	82	102	162	150	127	122	196	208	298	164	143	184
Mean .	191	167	122	97	105	119	147	135	132	147	166	217	145	131	162

TABLE III. POTENTIAL GRADIENT (VOLTS PER METRE). HOURLY MEANS FOR EACH MONTH.
TEN SELECTED QUIET DAYS.

Hours I. S. T.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sep.	Oct.	Nov.	Dec.	Year	Wet period May to October.	Dry period November to April.
0—1	217	171	107	71	100	168	164	143	141	172	219	231	159	148	168
1—2	214	199	101	63	100	161	162	155	133	159	215	229	158	145	168
2—3	183	184	93	86	96	161	161	152	132	155	221	246	156	143	168
3—4	200	205	86	103	93	167	159	155	129	138	167	219	152	140	163
4—5	197	191	143	95	95	156	162	144	116	107	143	201	146	130	162
5—6	217	199	143	115	107	155	159	145	127	110	162	188	152	134	171
6—7	231	227	183	137	115	160	153	143	129	136	132	227	164	139	189
7—8	233	255	191	167	125	148	152	144	134	153	139	251	174	143	206
8—9	292	237	180	144	118	155	148	130	133	173	153	246	176	143	209
9—10	290	273	166	114	118	163	166	133	132	157	148	242	175	145	206
10—11	228	213	136	107	114	160	166	139	135	173	149	222	162	148	176
11—12	224	171	140	97	103	154	167	140	129	179	168	195	157	145	166
12—13	158	130	105	82	105	150	172	134	115	172	180	183	141	143	140
13—14	115	117	110	103	112	148	164	143	101	122	182	178	132	132	133
14—15	120	118	95	95	109	148	158	149	114	92	115	143	121	127	113
15—16	117	107	91	65	106	143	159	149	105	87	103	154	115	125	105
16—17	122	123	88	70	100	144	163	144	119	83	102	169	119	126	111
17—18	124	119	108	70	100	140	159	145	128	94	105	170	122	128	116
18—19	143	131	114	77	108	145	162	146	133	110	130	171	131	136	128
19—20	149	135	119	81	122	143	155	139	136	127	143	183	136	135	135
20—21	146	135	110	86	129	147	152	146	140	143	164	196	141	143	140
21—22	164	132	120	81	119	152	146	144	139	186	206	265	155	148	161
22—23	205	128	118	83	110	149	143	139	142	195	233	299	162	146	176
23—24	261	115	116	70	105	158	159	133	151	203	194	283	162	151	169
Mean .	190	167	123	94	109	153	159	143	129	143	161	212	149	139	157

TABLE IV. ELECTRICAL CHARACTER OF EACH DAY AND APPROXIMATE DURATION OF NEGATIVE POTENTIAL GRADIENT, 1936.

1. Electrical Character and 2. Duration in hours of negative potential gradient.

Date.	Jan.		Feb.		Mar.		Apr.		May.		June.		July.		Aug.		Sep.		Oct.		Nov.		Dec.	
	1	2	1	2	1	2	1	2	1	2	1	2	1	2	1	2	1	2	1	2	1	2	1	2
1	0	..	0	..	0	..	0	..	0	..	1	0·2	1	0·2	0	..	1	0·2	0	..	0	..	0	..
2	..	..	0	..	2	4·5	0	..	0	..	1	0·2	1	1·0	1	0·3	0	..	0	..	0	..	0	..
3	0	..	0	..	1	1·8	1	0·9	0	..	1	0·3	1	0·3	0	..	0	..	0	..	0	..	0	..
4	1	0·9	0	..	..	..	0	..	0	..	..	..	0	..	1	0·1	1	0·2	0	..	0	..	0	..
5	0	..	0	..	..	..	..	..	0	..	0	..	0	..	1	1·2	0	..	0	..	0	..	0	..
6	0	..	1	0·3	..	..	..	..	0	..	0	..	1	0·1	1	2·1	1	0·6	0	..	0	..	0	..
7	2	3·3	0	..	0	..	..	..	0	..	0	..	1	0·1	..	..	1	0·6	0	..	0	..	0	..
8	0	..	0	..	1	1·8	1	1·8	0	..	1	0·1	0	..	..	..	2	3·0	0	..	1	0·3	0	..
9	..	..	0	..	1	0·6	0	..	0	..	0	..	1	0·1	0	..	1	0·8	0	..	1	2·3	0	..
10	0	..	0	..	..	..	0	..	0	..	0	..	0	..	1	0·4	1	0·3	0	..	2	4·0	0	..
11	..	..	0	..	..	..	..	..	0	..	1	0·5	1	0·2	1	0·6	1	0·7	0	..	1	0·3	0	..
12	1	0·1	0	..	..	..	..	..	0	..	2	3·5	0	..	0	..	1	0·1	0	..	1	1·1	0	..
13	..	..	0	..	0	..	0	..	0	..	1	0·9	1	0·4	0	..	1	0·1	0	..	0	..	0	..
14	0	..	0	..	0	..	0	..	0	..	1	0·8	..	..	1	0·9	0	..	0	..	0	..	..	..
15	0	..	0	..	0	..	0	..	0	..	0	..	0	..	0	..	0	..	0	..	0	..	..	..
16	0	..	0	..	2	4·3	0	..	0	..	1	0·1	0	..	0	..	0	..	0	..	..	..	0	..
17	0	..	0	..	0	..	1	0·1	1	0·2	0	..	..	..	0	..	0	..	0	..	..	..	0	..
18	..		0	..	1	0·5	1	0·1	0	..	1	0·8	1	0·1	0	..	0	..	0	..	0	..	0	..
19	..	..	0	..	0	..	0	..	0	..	1	0·1	1	0·1	0	..	0	..	0	..	1	0·1	0	..
20	1	0·1	0	..	0	..	0	..	0	..	0	..	1	0·2	1	0·1	2	3·8	0	..	0	..	1	2·4
21	0	..	0	..	0	..	0	..	0	..	1	2·1	1	0·5	1	0·5	1	0·9	0	..	0	..	2	3·6
22	0	..	0	..	1	0·8	0	..	0	..	..	..	1	1·0	1	2·7	2	3·6	0	..	0	..	1	0·1
23	0	..	0	..	1	0·2	0	..	0	..	2	3·3	0	..	..	..	1	1·7	0	..	0	..	0	..
24	1	0·1	0	..	1	0·2	..	..	0	..	2	4·2	0	..	0	..	1	0·7	0	..	0	..	0	..
25	0	..	0	..	0	..	..	..	0	..	1	1·1	0	..	0	..	0	..	1	0·2	0	..	1	0·7
26	1	0·1	0	..	0	..	0	..	0	..	2	5·7	1	0·1	0	..	1	3·0	1	0·1	0	..	1	0·7
27	0	..	1	0·1	0	..	0	..	0	..	2	7·5	..	..	1	0·1	0	..	1	0·9	0	..	0	..
28	0	..	1	0·6	0	..	0	..	0	..	2	4·5	..	..	1	0·4	1	1·5	1	0·1	..	..	0	..
29	0	..			0	..	0	..	0	..	0	..	..	..	1	0·9	1	2·1	1	1·3	..	..	0	..
30	0	..			1	0·4		..	1	0·8	1	0·1	1	0·2	0	..	1	0·9	0	..	0	..	0	..
31	..	..			0	..			1	0·4			1	0·1	0	..			0				0	..
Total .		4·6		1·0		15·1		2·9		1·4		36·0		4·7		10·5		24·8		2·6		8·1		6·5
No. of days used.		24		28		24		22		31		28		26		28		30		31		30		29
Mean .		0·2		0·0		0·6		0·1		0·0		1·3		0·2		0·4		0·8		0·1		0·3		0·2

Annual Values :—Character :— 0 1 2 No. of days :— 218 95 14	Duration of negative potential gradient —118·2	Total number of days. 327	Mean Duration. 0·4

STATION—COLABA OBSERVATORY, BOMBAY.

Lat. 18° 54′ N *Long.* 72° 54′ E. *Height above M. S. L.* 6 metres.

Lithologic foundation : Trap Rock.

Instruments :—Milne-Shaw seismographs, North-South (N) and East-West (E) components, installed in an underground constant temperature room. Photographic registration.

INSTRUMENTAL CONSTANTS.

Component.	Steady mass (Kg.)	T. (sec.)	Vm	ε	Paper speed (mm./min.).
N	0·45	12	250	20 : 1	8
E	0·45	12	350	22 : 1	8

TABLE D_2.

Date.	Compt.	Phase.	G. M. T.	Period.	Amplitude.	△	Remarks.
			H. M. S.	Sec.	μ	Km.	
1936.							
Jan. 1	N,E	e	4 1 ...	...	...	...	Tremors.
	N,E	F	4 16 ...	...	...	...	
,, 2	N	e	0 48 20	...	...	...	Slight, distant.
	E	Mn	1 16 20	23	10	...	
	N,E	F	2 0 ...	...	...	...	
,, 2	N,E	e	17 36 2	...	...	...	Slight.
	N,E	i	43 36	...	...	...	
	E	Mn	18 4 32	15	5	...	
	N,E	F	54 ...	...	...	...	
,, 2	N,E	iP	22 40 55	...	...	3355	Moderate. Epc: 1° 8., 97° N., North Sumatra.
	N,E	iS	46 2	...	...	...	
	N,E	SR_1	47 32	...	...	...	
	N,E	L	49 47	...	...	...	
	N	Mn	54 8	15	37	...	
	N,E	F	2 5 ...	...	...	...	
,, 4	N,E	i	1 13 5	...	...	...	Feeble near.
	N,E	F	30 ...	...	...	...	
,, 7	N,E	i	12 0 24	...	...	...	Feeble. Felt at Drosh.
,, 8	N,E	e	11 5 ...	...	...	...	Tremors.
	N,E	F	38 ...	...	...	...	
,, 8	N,E	e	12 39 ...	...	...	...	Tremors.
	N	F	13 20 ...	...	...	...	
	E	F	14 ...	...	...	...	
,, 13	N,E	eP	18 15 49	...	...	2810	Slight.
	N,E	iS	20 19	...	...	...	
	E	SR_1	21 11	...	...	...	
	E	L	22 27	...	...	...	
	N	Mn	27 19	...	...	...	
	E	Mn	26 49	...	...	...	
	N,E	F	19 56 ...	...	...	...	
,, 14	N,E	e	5 55 20	...	...	...	Slight, distant.
	N,E	i	6 4 49	...	...	...	
	N,E	F	8 28 ...	...	...	...	
1936.							
Jan. 14	N,E	e	14 30 33	...	...	...	Slight, distant. Deep focus. L-waves poor.
	N,E	i	34 16	...	...	...	
	N,E	F	16 18 ...	...	...	...	
,, 14	N,E	e	17 55 ...	...	...	...	Slight, distant.
	N,E	i	18 5 30	...	...	...	
	E	Mn	44 14	15	5	...	
	N,E	F	19 56 ...	...	...	...	
,, 15	N,E	e	14 57 ...	...	...	...	Slight, distant.
	N,E	F	16 41 ...	...	...	...	
,, 17	N,E	e	12 19 11	...	...	...	Slight, near.
	N,E	e	22 3	...	...	...	
	N	Mn	26 44	...	...	...	
	E	Mn	26 30	10	3	...	
	N,E	F	59 ...	...	...	...	
,, 20	N	eP	17 5 43	...	...	5720	Moderate. Focal depth = 100 km. from Brunner chart.
	E	iP					
	N,E	iS	13 8	...	...	...	
	N,E	PS	13 42	...	...	...	
	N,E	SR_2	18 6	...	...	...	
	N,E	L	22 ...	...	...	...	
	N,E	F	19 19 ...	...	...	...	
,, 22	N,E	e	9 32 35	...	...	...	Seismic activity.
	N,E	F	10 18 ...	...	...	...	
,, 24	N,E	e	16 56 4	...	...	...	Seismic activity.
,, 27	N,E	e	10 41 ...	...	...	...	Feeble. Felt at Purnea, (Bihar).
	N,E	F	11 1 ...	...	...	...	
,, 27	N,E	e	16 27 28	...	...	...	Seismic movement.
	E	e	29 35	...	...	...	
,, 27	N,E	e	19 36 35	...	...	...	Slight.
	N,E	e	41 29	...	...	...	
	N,E	F	20 21 ...	...	...	...	

TABLE D_2—*contd.*

Date.	Compt.	Phase.	G. M. T.	Period.	Amplitude.	△	Remarks.
			H. M. S.	Sec.	μ	Km.	
1936.							
Feb. 4	E	e	12 22 18	...	...	...	Feeble, near. Felt at Mukteswar.
	E	i	22 36	...	...	...	N-time uncertain.
	E	M	24 17	...	...	...	
	E	F	36 ...	...	...	...	
,, 6	E,E	e	4 11 ...	...	...	...	Slight, very distant.
	N,E	e	16 9	...	...	...	
,, 6	N,E	e	20 51 ...	...	...	...	Feeble, distant.
	N,E	e	55 30	...	...	...	
	N,E	F	21 55 ...	...	...	...	
,, 7	N,E	M	2 2 30	...	...	...	Seismic activity.
,, 7	N,E	iP	9 2 53	...	...	3310	Moderate.
	N,E	iS	7 57	...	...	...	Epc 32° N-102° E. (Manila), South China.
	E	SR_1(?)	9 20	...	...	...	
	N,E	L	11 ...	...	...	...	
	N	Mn	13 56	10	69	...	
	E	Mn	16 8	10	55	...	
	N,E	F	11 27 ...	...	...	...	
,, 8	E	i	12 23 0	...	...	...	Slight.
	E	i	32 30	...	...	...	N-time uncertain.
	E	F	13 47 ...	...	...	...	
,, 10	E	e	18 24 15	...	...	...	Seismic activity.
	E	F	19 43 ...	...	...	...	N-time uncertain.
,, 11	N,E	eP	4 51 20	...	...	1440	Moderate.
	N,E	iS	53 54	...	...	...	Felt at Dumka, Motihari.
	N,E	SR_1	54 16	...	...	...	
	N,E	L	55 ...	...	...	...	
	N	Mn	55 53	3	30	...	
	E	Mn	55 53	4	11	...	
	N	F	5 39 ...	...	...	...	
	E	F	35 ...	...	...	...	
,, 11	E	e	20 11 52	...	...	...	Feeble, near. Felt at Cooch Behar, Dhubri, Gauhati and Salona.
	E	i	15 13	...	...	...	
	E	F	21 41 ...	...	...	...	
,, 12	N,E	i	9 42 30	...	...	...	Feeble, very distant.
	N,E	i	48 53	...	...	...	
	N,E	i	51 18	...	...	...	
	N,E	F	11 51 ...	...	...	...	
,, 14	N,E	e	14 47 ...	...	...	...	Feeble, near. Felt at Shillong.
,, 15	N,E	iP	12 57 32	...	...	6880	Moderate.
	N,E	PR_1	59 53	...	...	...	Epc. 4·5° S., 133°·0 E. (J. S. A.), Dutch New Guinea.
	N,E	iS	13 6 3	...	...	...	
	N,E	PS	6 37	...	...	...	
	N,E	sS	7 5	...	...	...	
	N,E	SR	10 24	...	...	...	
	N,E	SR_7	12 44	...	...	...	
	N,E	L	13 17 ...	...	...	...	
1936.							
	N	Mn	25 5	19	37	...	
	E	Mn	25 20	23	74	...	
	N	F	17 5 ...	...	...	...	
	E	F	36 ...	...	...	...	
Feb. 16	N,E	e	14 31 ...	...	...	...	Tremors.
	N,E	F	15 36 ...	...	...	...	
,, 19	N,E	eP	14 35 3	...	...	2155	Slight.
	N,E	iS	38 38	...	...	...	
	N,E	L	40 36	...	...	...	
	N	Mn	43 1	7	15	...	
	E	Mn	43 10	7	11	...	
	N,E	F	15 35 ...	...	...	...	
,, 19	N,E	e	8 32 ...	...	...	...	Tremors.
	N,E	F	48 ...	...	...	...	
,, 21	N,E	e	1 18 ...	...	...	...	Feeble.
	N,E	i	25 52	...	...	...	
	N	Mn	45 47	...	...	...	
	E	Mn	45 37	...	...	...	
	N	F	2 19 ...	...	...	...	
	E	F	2 25 ...	...	...	...	
,, 21	N,E	iP	6 25 41	...	...	2520	Slight.
	N,E	iS	29 49	...	...	...	
	E	SR_1	30 44	...	...	...	
	N,E	L	32 38	...	...	...	
	N	Mn	37 20	...	...	...	
	E	Mn	37 16	11	7	...	
	N,E	F	7 56 ...	...	...	...	
,, 21	N,E	e	11 0 ...	...	...	...	Feeble, distant.
	N	Mn	35 18	...	...	...	
	E	Mn	35 32	...	...	...	
	N,E	F	12 55 ...	...	...	...	
,, 21	N,E	e	17 9 ...	...	...	...	Feeble, distant.
	N	Mn	53 34	...	...	...	
	E	Mn	53 27	...	...	...	
	N,E	F	18 55 ...	...	...	...	
,, 21	N,E	e	19 29 ...	...	...	...	Tremors.
	N,E	F	55 ...	...	...	...	
,, 22	N,E	e	15 46 33	...	...	11665	Moderate.
	N,E	PR_1	50 39	...	...	...	
	N,E	ScPcS	56 55	...	...	...	
	N,E	PS	59 55	...	...	...	
	N,E	SR_1	16 5 30	...	...	...	
	N,E	SR_2	9 31	...	...	...	
	N,E	L	15 0	...	...	...	
	N	Mn	27 9	...	...	...	
	E	Mn	24 41	23	27	...	
	N,E	F	18 53 ...	...	...	...	

TABLE D_2—*contd.*

Date.	Compt.	Phase.	G. T. M.	Period.	Amplitude.	△	Remarks.	Date.	Compt.	Phase.	G. M. T.	Period.	Amplitude.	△	Remarks.
			H. M. S.	Sec.	μ	Km.					H. M. S.	Sec.	μ	Km.	
1936.								1936.							
Feb. 22	N,E	e	19 41 24	...	...	...		Mar. 11	N,E	e	0 40 ...	...	...	...	Tremors.
	N,E	i	47 45	...	...	...			N,E	F	2 2 ...	....	...	...	
	N,E	i	50 35	...	...	...		,, 11	N,E	i	11 9 2	...	...	...	Seismic activity.
	N	Mn	20 25 42	...	...	...									
	E	Mn	22 41	...	...	...		,, 13	E	e	4 24 ...	...	...	...	Tremors.
	N,E	F	21 55	...	...	...			N,E	F	5 13 ...	...	...	...	
,, 24	N,E	e	5 32 ...	...	...	...	Feeble, near.	,, 17	E	e	18 19 ...	...	...	...	Tremors.
	N,E	F	6 2 ...	...	...	...			E	F	51 ...	...	...	...	
,, 24	N,E	e	7 5 ...	...	...	...									
	N,E	i	9 30	...	...	...		,, 17	N,E	eP	19 55 54	...	...	3170	Slight. Epc.: North Sumatra, (Batavia).
	N	Mn	15 12	...	...	...			N,E	iS	20 0 49	...	...	...	
	E	Mn	16 39	...	...	...			N,E	i	3 4	...	...	...	
	N,E	F	54 ...	...	...	...			E	Mn	14 27	...	...	...	
,, 24	N,E	e	16 35 ...	...	...	...	Feeble, near.		N,E	F	21 36 ...	...	...	...	
	N,E	i	39 40	...	...	...		,, 18	N,E	e	12 5 ...	...	...	...	Tremors.
	N,E	F	17 5 ...	...	...	...			N,E	F	13 14 ...	...	...	...	
,, 26	N,E	e	2 46 ...	...	...	...	Tremors.	,, 18	N,E	e	22 30 ...	...	...	1665	Tremors.
	N,E	F	3 55	...	...	...			N,E	F	23 8 ...	...	...	...	
,, 27	N,E	iP	10 14 2	...	...	6235	Slight.								
	N,E	iS	21 56	...	...	...		,, 19	E	M	1 5 30	...	...	...	Seismic activity.
	N,E	i	22 56	...	...	...		,, 21	N,E	e	1 59 28	...	...	...	Slight.
	N,E	F	11 55 ...	...	...	...			N	i	2 5 0	...	...	...	
,, 28	N	Mn	4 3 24	...	...	...	Seismic activity.		E	Mn	13 23 ...	13	7	...	
	E	Mn	3 34	...	...	...			N,E	F	3 35 ...	...	...	...	
,, 28	N,E	eP	16 24 3	...	...	5045	Slight.	,, 22	N,E	P	12 28 58	...	...	9390	Slight. Epc. : South-West of Solomon Islands. (Chiufeng).
	N,E	S	30 55	...	...	...			N,E	S	39 26	...	...	...	
	N,E	SR_1	33 54	...	...	...			N,E	F	14 56 ...	...	...	...	
	N,E	L	38 ...	...	...	...		,, 25	N,E	e	9 11 ...	...	...	...	Tremors.
	E	Mn	44 22	15	7	...			N,E	F	10 15 ...	...	...	...	
	N,E	F	17 56 ...	...	...	...		,, 25	N,E	e	14 29 ...	...	...	...	Tremors.
Mar. 1	N	eP	10 32 3	...	...	6455	Moderate. Epc: South of Sakhal in Island. (Chiufeng).		E	e	32 13	...	...	...	
	N,E	iS	40 10	...	...	...			N,E	F	54 ...	...	...	...	
	N,E	SR_2	47 20	...	...	...									
	N	Mn	11 1 24	22	34	...		Apr. 1	N,E	eP	2 18 46	...	...	6090	Great. Epc. : 3°N. 123°E. (J. S. A.) O : 2h. 9m. 16s. G. M. T.
	E	Mn	2 48	19	23	...			N,E	iP	18 52	...	...	...	
	N,E	F	13 9 ...	...	...	...			N,E	PR_1	21 01	...	...	...	
,, 2	N,E	iP	3 29 7	...	...	7245	Moderate. Epc : East off Hokkaido, Japan. (Manila).		N,E	PR_2	21 56	...	...	...	
	N,E	iS	38 27	...	...	...			N,E	S	26 28	...	...	...	
	N,E	SR_1	43 00	...	...	...			N,E	PS	27 1	...	...	...	
	N,E	L	51 ...	...	...	...			N,E	SR_1	30 3	...	...	...	
	N	Mn	4 0 30	15	14	...			N,E	SR_2	32 0	...	...	...	
	E	Mn	0 37	15	15	...			N,E	L	35 ...	...	...	...	
	N,E	F	6 34 ...	...	...	...			N	Mn	39 45	18	95	...	
									E	Mn	33 20	26	446	...	
,, 9	N,E	e	20 41 ...	...	...	...	Tremors.		N	F	6 14 ...	...	...	...	
	N,E	F	1 54 ...	...	...	...			E	F	6 17 ...	...	...	...	
,, 10	N,E	e	20 46 28	...	...	...	Slight, distant.	,, 1	N	iP	20 20 32	...	...	5950	Moderate. Preceded by tremors.
	E	Mn	21 17 21	...	...	...			N	iS	28 8 ...	...	...	...	Apparently after-shock of previous great shock.
	N,E	F	22 1 ...	...	...	...									

TABLE D_2—*contd*

Date.	Compt.	Phase.	G.M.T.	Period.	Amplitude.	△	Remarks.
1936.			H. M. S.	Sec.	μ.	Km.	
	N	Mn	48 17	...	...	...	
	N	F	22 10 ...	...	...	...	
Apr. 2	N	eP	6 29 8	...	...	8230	
	N	iS	38 45	...	...	...	
	N	F	8 59 ...	...	...	...	
„ 5	N	Mn	13 14 37	...	...	...	Seismic activity.
	E	Mn	14 45	...	...	...	
„ 9	N,E	e	0 56 ...	...	...	...	Tremors.
	N,E	F	1 18 ...	...	...	...	
„ 9	N	e	16 16 ...	...	...	...	Tremors.
	N	F	17 56 ...	...	...	...	
„ 9	N,E	e	20 17 ...	...	...	...	Slight, near.
	N	Mn	24 45	...	...	...	
	E	Mn	24 30	...	...	...	
	N,E	F	45 ...	...	...	...	
„ 11	N	e	4 1 ...	...	...	...	Feeble, near.
	E	i	0 52	...	...	...	
	E	Mn	7 29	...	...	...	
	N	F	32 ...	...	...	...	
	E	F	47 ...	...	...	...	
„ 11	E	i	23 46 9	...	...	...	Feeble, near.
	N,E	e	47 53	...	...	...	
	E	F	53 16	...	...	...	
	N	F	0 29 ...	...	...	...	
			25 ...	...	...	...	
„ 12	N,E	P	21 1 29	...	...	6980	Slight. Epc: 10° N., 140° E. (Manila).
	N,E	iS	10 5	...	...	...	
	N,E	SR_1	14 33	...	...	...	
	N,E	SR_2	16 41	...	...	...	
	N,E	L	22 ...	...	...	...	
	N	Mn	34 33	15	7	...	
	E	Mn	34 9	22	16	...	
	N,E	F	23 55 ...	...	...	...	
„ 17	N,E	i	22 19 28	...	...	...	Seismic activity.
„ 19	N,E	iP	5 20 0	...	...	9520	Great. Epc: 9° S., 156° E. (J. S. A.). O: 5h. 7m. 12s. G. M. T.
	N,E	iS	30 34	...	...	...	
	N,E	PS	31 20	...	...	...	
	N,E	SR_1	36 20	...	...	...	
	E	SR_2	39 38	...	...	...	
	N,E	L	49 ...	...	...	...	
	N	Mn	6 1 23	19	47	...	
	E	Mn	57 53	25	112	...	
	N,E		Masked by the following shock.				
„ 19	N,E	iP	9 8 50	...	...	2535	Moderate.
	N,E	PR_1	9 14	...	...	...	Epc: Probably Gulf of Martaban.
	N,E	iS	12 59	...	...	...	
	N,E	SR_1	18 59	...	...	...	
	N,E	L	15 29	...	...	...	
	N	Mn	21 10	15	50	...	
	E	Mn	21 38	15	38	...	
	N,E	F	12 5 ...	...	...	...	
Apr. 20	N,E	e	18 10 ...	...	...	...	Tremors.
	N,E	F	19 1 ...	...	...	...	
„ 21	N,E	i	1 41 40	...	...	...	
	N,E	F	3 2 ...	...	...	...	
„ 23	N,E	P	23 27 5	...	...	9550	Slight. Epc: 51°N., 178° E. (J. S. A.).
	N,E	PR_1	30 30	...	...	...	
	N,E	S	37 40	...	...	...	
	N,E	F	0 36 ...	...	...	...	
„ 27	N,E	eP	0 5 15	...	...	3265	Slight.
	N,E	iS	10 16	...	...	...	
	N,E	SR_1	11 44	...	...	...	
	N,E	F	Masked by the following tremors.				
„ 27	N,E	e	3 48 ...	...	...	...	Tremors.
	N	F	4 13 ...	...	...	...	
„ 27	N,E	e	5 51 ...	...	...	...	Tremors.
	N	e	59 ...	...	...	...	
	N,E	F	6 11 ...	...	...	...	
„ 27	N,E	e	8 16 ...	...	...	...	Feeble, near.
	N,E	F	28 ...	...	...	...	
„ 28	N,E	i	5 52 5	...	...	...	Feeble, distant.
	E	i	6 2 34	...	...	...	
	N,E	F	7 27 ...	...	...	...	
„ 28	E	i	13 45 42	...	...	...	Slight.
	E	i	48 2	...	...	...	
	N,E	i	53 41	...	...	...	
	N,E	F	14 56 ...	...	...	...	
„ 28	N,E	e	18 38 ...	...	...	...	Tremors.
	N,E	F	19 8 ...	...	...	...	
May. 2	N,E	e	7 26 ...	...	...	...	Tremors.
	N,E	F	40 ...	...	...	...	
„ 4	N	M	18 45 15	...	...	...	Seismic activity.
	E	M	45 18	...	...	...	
„ 5	E	e	19 55 ...	...	...	...	Feeble.
	N,E	e	20 5 5	...	...	...	
	N,E	F	20 58 ...	...	...	...	
„ 6	N,E	e	19 0 30	...	...	...	Feeble, near.
	E	Mn	5 18	...	...	...	
	N	Mn	5 21	...	...	...	
	N,E	F	26 ...	...	...	...	

TABLE D_2—*contd.*

Date.	Compt.	Phase.	G. M. T.	Period.	Amplitude.	△	Remarks.
1936.			H. M. S.	Sec.	μ	Km.	
May. 8	N,E	e	2 56 0	...	...	...	Feeble seismic activity.
	N,E	e	59 32	...	...	...	
„ 8	N,E	i	9 21 00	...	...	...	Feeble, distant.
	N,E	i	25 18	...	...	...	
	N,E	F	10 11 ...	...	...	...	
„ 8	N,E	e	15 30 30	...	...	...	Feeble, distant.
	N,E	e	35 28	...	...	...	
	N,E	F	16 11 ...	...	...	...	
„ 10	E	i	6 1 30	...	...	...	Slight, distant. Record disturbed.
	E	e	5 37	...	...	...	
		F	34 ...	...	...	...	
„ 11	N,E	eP	17 39 45	...	...	9055	Slight. Epc : 4°S., 154°E. (Manila).
	N,E	eS	49 58	...	...	...	
	E	SR_1 (?)	55 49	...	...	...	
	N,E	L	18 8 ...	...	...	...	
	N	F	19 31 ...	...	...	...	
	E	F	41 ...	...	...	...	
„ 16	N,E	e	6 56 ...	...	...	...	Foreshock of the following shock?
	N,E	F	Mixed up with the following stock.				
„ 16	N,E	P	7 11 53	...	...	3155	Moderate.
	N,E	PR_2	13 0	...	...	...	Epc: Western China. (Manila).
	N,E	iS	16 47	...	...	...	
	N,E	SR_1	18 11	...	...	...	
	N,E	L	21 ...	...	...	...	
	N	Mn	25 15	...	...	...	
	E	Mn	24 7	12	45	...	
	N,E	F	9 21 ...	...	...	...	
„ 19	N,E	eP	20 59 49	...	...	6170	Slight. Epc : 1°N., 141° E. (Manila).
	N,E	S	21 7 39	...	...	...	
	N,E	F	23 13 ...	...	...	...	
„ 20	N,E	eP	3 18 15	...	...	9620	Slight. Epc : 8°S., 160° E. (J. S. A.).
	E	PR_1	22 0	...	...	...	
	N,E	S	28 53	...	...	...	
	N,E	PS	29 36	...	...	...	
	N,E	L	50 ...	...	...	...	
	E	Mn	4 7 33	16	6	...	
	N,E	F	6 24 ...	...	...	...	
„ 22	E	Mn	1 30 31	...	...	...	Seismic activity.
„ 27	N,E	iP	6 22 24	...	...	1455	Great. Epc : Bihar, 28°N., 82°E. Felt throughout Bihar including Monghyr, Bhagalpur, Muzaffarpur, Arrah, Chapra, Cawnpore; Ranchi, New Delhi, Lucknow, Patna.
	N,E	P*	22 58	...	...	...	
	N,E	P	23 36	...	...	...	
	N,E	S	24 49	...	...	...	
	N,E	S*	25 34	...	...	...	
	N,E	S	26 19	...	...	...	
	N	Mn	28 17	9	441	...	
	E	Mn	28 ...	...	...	...	
	N,E	F	Masked by mic roseisms.				

Date.	Compt.	Phase.	G. T. M.	Period.	Amplitude.	△	Remarks
1936.			H. M. S.	Sec	μ	Km.	
May 28	N	Mn	20 19 28	18	7	...	Slight, very distant.
	E	Mn	15 28	21	13	...	
	N,E	F	Masked by mic roseisms.				
„ 30	N	e	7 15 37	...	...	...	Felt at Dhubri, Serajganj, Jamelpur, Siliguri, Gaibandha, Berhampur, Mymensingh, Maldah and Jalpaiguri.
	N	F	8 4 ...	...	...	...	
June 3	E	M	3 38 30	...	...	...	Seismic activity.
„ 3	E	M	10 28 30	...	...	...	Seismic activity.
„ 9	N,E	e	00 7 ...	...	...	1270	Slight. After shock of the Great shock of 27th May. Felt at Khatmandu, Darjeeling, Patna, Purnea.
		S	9 7	...	...	...	
		S* / S	9 43 / 10 23	...	...	...	
		F	Mixed up with mic roseisms.				
„ 9	N	M	8 35 29	...	...	...	Feeble, near.
	E	M	35 44	...	...	...	
	N,E	F	Mixed up with mic roseisms.				
„ 9	N,E	P	16 42 56	...	...	3310	Slight. Epc : Near 3°S, 95°E (Manila).
	N,E	S	48 00	...	...	...	
	N,E	SR_1	49 37	...	...	...	
	N,E	L	51 39	...	...	...	
	N	M	57 47	15	4	...	
	E	Mn	58 15	14	4	...	
	N	F	18 21 ...	...	...	...	
	E	F	Overlapping of lines.				
„ 10	N	Mn	3 11 37	...	...	...	Seismic activity
	E	Mn	11 16	...	...	...	
„ 10	E	e	3 27 30	...	...	2685	Slight.
	N,E	S	31 45	...	...	...	Beginning doubtful.
	E	SR_1	32 45	...	...	...	
	E	L	34 ...	...	...	...	
	E	Mn	37 17	15	28	...	
	N,E	F	4 44	...	...	...	
„ 10	N,E	i	8 35 45	...	...	...	Slight, distant.
	N,E	i	44 34	...	...	...	Deep focus.
	N,E	i	45 49	...	...	...	
	N	F	10 58 ...	...	...	...	
	E	F	11 0 ...	...	...	...	
„ 10	N,E	e	14 46 ...	...	...	...	Tremors.
	N	F	15 13 ...	...	...	...	E-congestion of lines.
„ 10	N,E	e	17 11 ...	...	...	...	Feeble.
	N	F	18 01 ...	...	...	...	
„ 11	N,E	e	9 46 35	...	...	...	Slight, near.
	N,E	e	48 47	...	...	...	
	N,E	F	10 31 ...	...	...	...	
„ 14	N	Mn	3 14 30	...	...	...	Seismic activity.
	E	Mn	15 35	...	...	...	

TABLE D_2—*contd.*

Date.	Compt.	Phase.	G. M. T.	Period.	Amplitude.	△	Remarks.
1936.			H. M. S.	Sec.	μ	Km.	
June 14	N	i	17 8 51	...	...	...	Feeble, distant.
	N	I	14 35	...	...	...	
	N	F	18 8 ...	...	...	...	
„ 16	N	Mn	15 32 52	...	...	...	Scismic activity.
	N	Mn	33 13	...	...	...	
„ 18	N, E	eP	15 00 32	...	...	1745	Slight.
	N, E	eS	03 35	...	...	...	Felt locally at Jalpaiguri.
	N, E	L	5 23	...	...	...	
	N	Mn	5 51	3	18	...	
	N, E	F	Masked by microseisms.				
„ 19	N, E	iP	16 39 58	...	...	2520	Slight.
	N, E	PR_1	40 20	...	...	...	
	N, E	iS	44 6	...	...	...	
	N	L	46 ...	...	...	...	
	N	Mn	50 30	10	10	...	
	N, E	F	Masked by microseisms.				
„ 29	N, E	iP	14 34 04	...	...	1880	Slight.
	N, E]	P*	35 04	...	...	...	Epc : North-West Frontier.
	N, E	iS	37 19	...	...	...	Focal depth 80 km. and △ = 18° from Brunner chart.
	N, E	$\overline{S}$	39 36	...	...	...	
	N	Mn	41 39	7	12	...	Felt locally at Lahore.
	E	Mn	41 42	7	9	...	
	N, E	F	15 44 ...	...	...	...	
„ 30	N, E	iP	15 18 22	...	...	8100	Moderate.
	N, E	PR	21 1	...	...	...	Deep focus. Epc : 51°N., 161°E. (J. S. A.)
	E, E	PR_2	22 50	...	...	...	
	N, E	fS	27 53	...	...	...	
	N, E	PS	28 26	...	...	...	
	N, E	SR_1	33 0	...	...	...	
	N, E	L	42 ...	...	...	...	
	N]	Mn	48 23	22	432	...	
	E	Mn	53 4	22	223	...	Time uncertain on account of faint trace.
	N, E	F	18 34 ...	...	...	...	
„	N, E	iP	19 30 18	...	...	2165	Slight.
	N, E	PR_2	30 46	...	...	...	Epc : Persia, 33°N., 59°E.
	N,E	eS	33 57	...	...	...	
	N,E	SR_1	34 46	...	...	...	
	N,E	L	36 ...	...	...	...	
	N	Mn	40 34	11	13	...	
	E	Mn	41 13	10	12	...	
	N,E	F	Masked by microseisms.				
July 1	N	M	17 0 33	...	...	...	Feeble, near.
	E	M	0 52	...	...	...	
„ 4	N	i	9 7 44	...	...	...	Slight, near.
	N	i	9 53	...	...	...	
„ 5	N, E	P	19 4 37	...	..	5680	Moderate. Surface waves poor. Depth of focus about 80 Km.
	N, E	pP	4 58	...	...	...	
	N, E	PR_1	6 57	...	...	...	Epc : 4·0°N., 124·9° E. (J. S. A.)
	N, E	iS	12 0	...	...	...	

Date.	Compt	Phase.	G. M. T.	Period.	Amplitude.	△	Remarks.
1936.			H. M. S.	Sec.	μ	Km.	
	N, E	sS	12 37	...	...	...	
	N, E	ScS	14 18	...	...	...	
	E	SR_2	17 0	...	...	...	
	N, E	L	20 ...	...	...	...	
		F	Masked by microseisms.				
July. 6	N, E	e	18 38 30	...	...	...	Feeble, distant.
	E	M	57 23	...	...	...	
„ 13	N, E	PR_2	11 38 55	...	...	16445	Moderate.
	E	$\frac{ScPc\ PcS}{}$	42 21	...	...	...	Epc : 23·0°S., 70 2° W. (J. S. A.) Beginning lost due to failure of electric current.
	E	$\frac{P\ ScPcS}{}$	45 37	...	...	...	
	E	PPS	48 13	...	...	...	
	E	SR_1	54 11	...	...	...	
	N, E	L	12 22 ...	...	...	...	
	N	Mn	44 30	23	104	...	
	E	Mn	32 53	23	170	...	
	N	F	16 4 ...	...	...	...	
	E	F	8 ...	...	...	...	
„ 15	E	M	12 32 7	...	...	...	Seismic activity.
„ 22	N, E	e	9 3 ...	...	...	...	Feeble, near. Felt locally at Jacobabad.
„ 23	N, E	e	7 19 ...	...	...	...	Tremors.
	N, E	F	8 20 ...	...	...	...	
„ 26	N, E	P	7 56 52	...	...	15780	Slight.
	E	PR_1	59 50	...	...	...	
	E	PR_2	8 3 14	...	...	...	
	E	$\frac{ScPc\ PcS}{}$	6 37	...	...	...	
	N, E	$\frac{P\ ScPcS}{}$	10 8	...	...	...	
	E	PPS	12 44	...	...	...	
	E	SR_1	19 15	...	...	...	
	N, E	L	46 ...	...	...	...	
	N	Mn	9 0 23	21	13	...	
	E	Mn	8 59 8	21	27	...	
	N, E	F	Masked by microseisms.				
„ 28	N	e	5 30 ...	...	...	...	Feeble, very distant.
	E	e	29 53	...	...	...	
	N	i	39 15	...	...	...	
„ 28	E	i	8 4 8	...	...	...	Feeble, distant.
	N, E	i	13 24	...	...	...	
„ 31	N	e	11 36 15	...	...	...	Seismic activity.
Aug. 1	N, E	eP	6 32 0	...	...	3780	Slight.
	N, E	S	36 21	...	...	...	Epc : Kansu, China (Nanking).
	N, E	SR_1	38 12	...	...	...	
	N, E	L	40 46	...	...	...	
	N	Mn	43 1	11	18	...	
	E	Mn	43 53	15	13	...	
	N, E	F	6 40 ...	...	...	...	
„ 2	N	e	2 23 ...	...	...	...	Tremors.
	N	F	43 ...	...	...	...	

TABLE D_2—*contd.*

Date.	Compt.	Phase.	G. M. T.	Period.	Amplitude.	△	Remarks.
1936.			H. M. S.	Sec.	μ	Km.	
Aug. 4	E	e	14 19 52	...	...	...	Sight, distant.
	N	e	20 ...	...	...	...	
	N, E	I	24 37	...	...	...	
	N	Mn	39 32	...	...	...	
	E	Mn	42 5	15	5	...	
	N, E	F	15 8 ...	...	...	...	
„ 8	N	M	4 41 30	...	...	...	Seismic activity.
	E	Mn	46 37	...	...	...	
„ 9	E	Mn	16 39 28	...	...	...	Seismic activity.
„ 13	N, E	iP	20 11 57	...	...	6010	Moderate. Epc : 8° N., 127° E. (Manila).
	N, E	PR_1	13 50	...	...	...	
	N, E	S	19 38	...	...	...	
	N, E	L	27 0	...	...	...	
	N	Mn	39 50	19	16	...	
	E	Mn	39 12	19	23	...	
	N	F	22 16 ...	...	...	...	
„ 14	N, E	e	22 44 15	...	...	...	Slight, distant.
	N, E	e	51 50	...	...	...	
	E	Mn	23 11 26	...	...	...	
	N, E	F	56 ...	...	...	...	
„ 16	N, E	e	16 51 ...	...	...	...	Tremors.
	N, E	F	17 12 ...	...	...	...	
„ 16	N, E	e	21 44 53	...	...	...	Seismic activity.
	N, E	F	22 4 ...	...	...	...	
„ 17	N, E	e	14 13 0	...	...	...	Slight, distant.
	N, E	e	22 45	...	...	...	
	N, E	F	15 52 ...	...	...	...	
„ 18	N, E	e	13 23 37	...	...	...	Seismic activity.
„ 20	E	e	2 15 ...	...	...	...	Tremors.
	N, E	F	51 ...	...	...	...	
„ 20	N	e	23 37 7	...	...	...	Feeble, near.
	E	i	39 57	...	...	...	
	N	i	40 3	...	...	...	
„ 22	N, E	P	6 59 54	...	...	4865	Moderate, Epc : 22°·3 N., 121°·5 E. (J-S.A.), Formosa Island.
	N, E	S	6 31	...	...	...	
	N	SR_1	9 43	...	...	...	
	N, E	SR_2	10 35	...	...	...	
	N, E	L	13 ...	...	...	...	
	N	Mn	19 17	15	75	...	
	E	Mn	20 37	15	56	...	
	F		Mixed up with the following tremor.				
„ 22	N, E	e	11 24 ...	...	...	...	Termors.
	N, E	F	56 ...	...	...	...	
„ 23	N, E	e	20 51 ...	...	...	...	Feeble shock.
	N, E	i	55 12	...	...	...	
	E	F	Mixed up with the following shock.				
Aug. 23	N, E	iP	21 17 35	...	...	2810	Moderate. Epc : 5°·8 N., 95°·4 E. (J. S. A.) Off North Sumatra.
	N, E	PR_1	18 11	...	...	...	
	N, E	iS	22 5	...	...	...	
	N, E	SR_1	23 13	...	...	...	
	N, E	L	25 ...	...	...	...	
	N	Mn	27 19	17	226	...	
	E	Mn	27 37	14	145	...	
	N,E	F	01 09 ...	...	...	...	
„ 24	N	e	22 46 0	...	...	...	Feeble, distant.
	N	Mn	23 10 46	...	...	...	
	N	F	0 7 ...	...	...	...	
„ 26	E	Mn	22 58 22	...	...	...	Seismic activity.
	N	Mn	23 1 14	...	...	...	
„ 27	E	i	3 10 15	...	...	...	Feeble, near.
	N,E	i	13 26	...	...	...	
	N	F	40 ...	...	...	...	
	E	F	43 ...	...	...	...	
„ 28	N,E	e	7 2 ...	...	...	...	Seismic activity.
„ 29	N,E	e	12 46 23	...	...	...	Feeble, near.
	N,E	e	50 12	...	...	...	
	N,E	F	13 11 ...	...	...	...	
„ 29	N,E	i	22 25 59	...	...	...	Slight.
	N,E	i	29 30	...	...	...	
	E	Mn	32 35	15	5	...	
	N,E	F	23 25 ...	...	...	...	
Sept. 4	N, E	eP	8 20 00	...	...	6950	Slight, Epc : Japan (Manila).
	N,E	S	28 35	...	...	...	
	N	Mn	51 43	...	...	...	
	E	Mn	51 35	...	...	...	
	E	F	10 21 ...	...	...	...	
	N	F	18 ...	...	...	...	
„ 6	N,E	e	18 5 ...	...	...	...	Feeble, distant.
	E	M	51 25	...	...	...	
	N,E	F	19 32 ...	...	...	...	
„ 7	N,E	i	2 35 18	...	...	...	Slight, near.
	N,E	i	38 50	...	...	...	
	N,E	L	41 ...	...	...	...	
	N	Mn	44 15	7	6	...	
	E	Mn	42 39	8	3	...	
	N,E	F	Masked by microseisms.				
„ 7	N	M	9 6 11	...	...	...	Seismic activity.
	E	M	4 13	...	...	...	
„ 8	N,E	e	8 18 34	...	...	...	
	N,E	i	18 59	...	...	...	
	N,E	F	Masked by microseisms				
„ 12	N, E	e	18 18 ...	...	...	...	Slight.
	N	Mn	26 10	...	...	...	
	E	M	28 7	...	...	...	
	N, E	F	46 ...	...	...	...	

TABLE D_2—*contd.*

Date.	Compt.	Phase.	G.M.T.	Period.	Amplitude.	△	Remarks.	Date.	Compt.	Phase.	G.M.T.	Period.	Amplitude.	△	Remarks.
			H. M. S.	Sec.	μ	Km.					H. M. S.	Sec.	μ	Km.	
1936.								1936.							
Sept. 18	N,E	e	18 49 ...	...	...	...		Oct. 5	N,E	e	6 17 23	...	...	...	Slight, distant.
	E	e	57 29	...	...	...			N,E	i	24 27	...	...	...	
	N,E	e	59 ...	...	...	...			N	Mn	41 22	...	...	...	
	N	M	23 12	...	...	...			E	Mn	41 30	...	...	...	
	E	M	23 14	...	...	...			N	F	7 00 ...	...	...	...	
	N,E	F	20 26 ...	...	...	...			E	F	7 00 ...	...	...	...	
,, 19	N,E	eP	1 7 43	...	...	3145	Moderate. Epc: North Sumatra 43° N., 97·8 E. (J. S. A.).	,, 5	E	iP	9 53 53	...	...	5810	Moderate. Epc: 3° N. 126·4° E. (J. S. A.). O: 9h. 44m. 38s. G. M. T.
	N,E	PR_1	8 33	...	...	...			N	P					
	N,E	PR_2	8 53	...	...	...			N,E	PR_1	56 60	...	...	...	
	N,E	PcP	11 3	...	...	...			E	PR_2	57 7	...	...	...	
	N,E	S	12 37	...	...	...			N,E	iS	10 1 25	...	...	...	
	N,E	SR_1	13 2	...	...	...			N,E	ScS	2 39	...	...	...	
	N,E	L	15 ...	...	...	...			E	SR_1	5 11	...	...	...	
	N	ScS	17 26	...	...	...			E	SR_2	6 30	...	...	...	
	N	Mn	20 8	15	104	...			N,E	L	11 00	...	...	...	
	E	Mn	18 56	19	165	...			N	Mn	19 30	15	14	...	
	N,E	F	5 21 ...	...	...	...			E	Mn	16 30	23	138	...	
,, 19	N,E	eP	6 36 19	...	...	3035	Slight.		N	F	11 53 ...	...	...	...	
	N,E	PR_1	36 59	...	...	...			E	F	13 24 ...	...	...	...	
	N,E	iS	41 5	...	...	...		,, 10	N,E	e	3 18 ...	...	...	...	Tremors.
	N,E	SR_1	42 31	...	...	...				F	4 15 ...	...	...	...	
	N,E	L	45 ...	...	...	...									
	N	Mn	55 22	14	12	...									
	E	Mn	51 36	12	8	...		,, 13	N,E	e	6 42 ...	...	...	...	Tremors.
	N,E	F	8 37 ...	...	...	...			E	F	7 39 ...	...	...	...	
,, 21	N,E	e	11 49 ...	...	...	...	Slight, distant.		N	F	29 ...	...	...	...	
	E	Mn	12 7 11	...	...	...		,, 14	E	e	22 33 ...	...	...	...	Tremors.
	N,E	F	47 ...	...	...	...				F	23 46 ...	...	...	...	
,, 24	N,E	e	8 39 ...	...	...	...	Slight.	,, 15	N,E	i	21 28 24	...	...	...	Slight, distant.
	N,E	F	9 19	...	...	...			E	Mn	22 31 23	15	5	...	
,, 25	N,E	e	13 13 ...	...	...	...	Slight, distant.		E	F	23 24 ...	...	...	...	
	N	F	14 27 ...	...	...	...									
	E	F	52 ...	...	...	...		,, 16	N,E	iP	12 8 56	...	...	9100	Slight.
									N,E	iS	19 11	...	...	...	
Oct. 3-4	N,E	iP	21 59 25	...	...	5700	Moderate. Epc: Celebes Sea. O: 21h. 50m. 20s. G. M. T.		E	PS	19 40	...	...	...	
	N,E	PcP	22 0 40	...	...	...				L	35 ...	...	...	...	
	N,E	iS	6 49	...	...	...				F	13 51 ...	...	...	...	
	N,E	PS	7 02	...	...	...									
	N,E	SR_2	11 16	...	...	...		,, 19	E	iP	12 14 0	...	...	6080	Slight. Epc: Off Celebes.
	N	Mn	27 32	15	10	...			N	eP					
	E	Mn	28 2	15	17	...			N,E	iS	21 45	...	...	...	
	N	F	23 56 ...	...	...	...			N,E	PS	22 15	...	...	...	
	E	F	00 16 ...	...	...	...			E	ScS	23 49	...	...	...	
									N,E	L	30 ...	15	7	...	
,, 4	E	e	7 47 ...	...	...	...	Slight, distant.		N	F	14 17 ...	...	...	...	
	E	Mn	8 13 27	...	...	...			E	F	15 15 ...	...	...	...	
	E	F	42 ...	...	...	...									
,, 5	N,E	e	0 13 22	...	...	...	Slight, very distant	,, 20	N,E	e	22 14 30	...	...	...	Slight.
	N,E	i	0 23 0	...	...	...			N,E	i	15 10	...	...	...	
	N	Mn	1 3 18	23	9	...			N,E	i	18 5	11	6	...	
	E	Mn	2 8	19	11	...			N	F	45 ...	...	...	...	

TABLE D_2—*contd.*

Date.	Compt.	Phase.	G. T. M.	Period.	Amplitude.	△	Remarks.
			H. M. S.	Sec.	μ	Km.	
1936.							
Oct. 21	E	i	1 7 24	...	...	...	Slight.
	E	i	2 4 8	...	...	...	
	E	F	30 ...	...	...	...	
„ 21	N,E	e	5 32 45	...	...	...	Feeble, distant.
	N,E	F	6 26 ...	...	...	...	
„ 22	N,E	e	10 20 ...	...	...	...	Tremors.
	N,E	F	40 ...	...	...	...	
„ 22	N,E	e	22 5 45	...	...	...	Tremors.
		F	23 9 ...	...	...	...	
„ 23	N,E	e	0 20 ...	...	...	...	Tremors.
	N,E	F	1 3 ...	...	...	...	
„ 22	E	eP	6 37 27	...	...	10220	Moderate, N-Boom was not free.
		PR_1	41 13	...	...	...	Epc: 60·8° N., 149·4° W. (J. S. A) Alaska, O: 6h. 24m. 24s. G. M. T.
		e	45 4	...	...	...	
		ScPcS	48 0	...	...	...	
		PPS	50 21	...	...	...	
		SR_1	55 07	...	...	...	
		L	7 8 0	...	...	...	
		Mn	15 58	21	31	...	
		F	10 13 ...	...	...	...	
„ 25	N,E	e	15 40 30	...	...	...	Seismic activity.
	N,E	i	48 42	...	...	...	
„ 26	N,E	P	19 38 35	...	...	3500	Moderate, Epc: West of Malay Peninsula. O: 19h. 32m. 18s. G. M. T.
	N,E	iS	43 51	...	...	...	
	N,E	SR_1	45 22	...	...	...	
	N,E	L	48 ...	...	...	...	
	N	Mn	53 29	14	16	...	
	E	Mn	52 44	15	17	...	
	N,E		Mixed up with microseisms.				
„ 26	N,E	e	23 17 ...	...	...	...	Slight, distant.
	N,E	e	26 ...	...	...	...	
„ 29	N,E	eP	18 50 0	...	...	7500	Slight. Epc: 13·5°N., 145°E. Damage in Guam, O: 18h. 39m. 8s. G. M. T.
	E	PR_1	52 11	...	...	...	
	N,E	S	59 2	...	...	...	
	N,E	ScS	59 53	...	...	...	
	N,E	SR_1	19 3 16	...	...	...	
	E	Mn	20 24	15	8	...	
	N	F	21 38 ...	...	...	...	
	E	F	53 ...	...	...	...	
„ 30	N,E	e	14 27 20	...	...	...	Seismic activity.
„ 31	N	M	16 10 37	...	...	...	Seismic activity.
	E	M	16 8 37	...	...	...	
Nov. 1	N,E	e	17 20 ...	...	...	...	Feeble.
	N,E	F	18 8 ...	...	...	...	

Date	Compt.	Phase.	G. T. M.	Period.	Amplitude.	△	Remarks.
			H. M. S.	Sec.	μ	Km.	
1936.							
Nov. 2	N,E	iP	15 9 4	...	...	7690	Moderate. Epc: 48·5° N., 149·5° E: Near Kurile Islands. O: 14h. 58m. 2s. G. T.
	N,E	PcP	9 20	...	...	...	
	N,E	iS	18 14	...	...	...	
	N,E	SR_1	23 22	...	...	...	
	N,E	L	32 ...	...	...	...	
	N	Mn	41 33	16	40	...	
	E	Mn	41 54	15	54	...	
	N	F	18 32 ...	...	...	...	
	E	F	59 ...	...	...	...	
„ 2	N,E	iP	20 56 19	...	...	6710	Moderate. Epc: 41°N., 189° E, Destructive in Fukujama, Japan. Kew △ =83·5°
	N,E	PcP	57 7	...	...	...	
	N,E	S	21 4 40	...	...	...	
	N,E	PS	5 6	...	...	...	O: 20h. 46 m. 11s. G. M. T.
	N,E	ScS	6 4	...	...	...	
	N,E	SR_1	8 52	...	...	...	
	N,E	L	16 ...	...	...	...	
	N	Mn	23 16	21	131	...	
	E	Mn	23 46	23	207	...	
	N	F	0 37 ...	...	...	...	
	E	F	1 00 ...	...	...	...	
„ 3	N,E	e	5 3 ...	...	...	...	Feeble.
	E	M	25 34	...	...	...	
	N,E	F	50 ...	...	...	...	
„ 4	N,E	e	7 29 ..	..	...	...	Feeble.
	N,E	e	36 ...	...	...	...	
	E	M	46 44	...	...	...	
	N,E	F	8 35 ...	...	...	...	
„ 4	N	e	9 19 ...	...	...	...	Feeble.
	E	M	33 28	...	...	...	
	N,E	F	50 ...	...	...	...	
„ 4	N,E	e	13 55 ...	...	...	...	Feeble.
	N	F	14 25 ...	...	...	...	
	E	F	41 ...	...	...	...	
„ 5	N,E	e	23 38 ...	...	...	...	Feeble.
	N,E	e	40 ...	...	...	...	
	N,E	F	48 ...	...	...	...	
„ 9	N,E	e	14 10 ...	...	...	...	Feeble.
	N,E	F	55 ...	...	...	...	
„ 10	N	M	13 30 43	...	...	...	Seismic activity.
	E	M	31 15	...	...	...	
„ 10	N,E	M	17 49 30	...	...	...	Seismic activity.
„ 10	N,E	e	17 57 ...	...	...	...	
	N,E	e	18 1 ...	...	...	...	
	N,E	F	Masked by microseisms.				
„ 11	N	M	1 28 36	...	...	...	Seismic activity.
	E	M	28 27	...	...	...	
„ 11	N,E	e	4 50 ...	...	...	...	Feeble.
	N,E	F	Masked by microseisms.				

TABLE D_2—*contd.*

Date.	Compt.	Phase.	G. M. T.	Period.	Amplitude.	△	Remarks.	Date.	Compt.	Phase.	G. M. T.	Period.	Amplitude.	△	Remarks.
			H. M. S.	Sec.	μ	Km.					H. M. S.	Sec.	μ	Km.	
1936.								1936.							
Nov. 11	N,E	e	17 19 ...	...	...	...	Feeble.	Nov. 23	N,E	eP	1 34 5	...	...	1710	Slight. Epc : 28·°5 N., 85° E. North of Nepal. O : 1h. 30m. 23s. G. M. T.
	N	M	23 51	...	...	...			N,E	eS	37 5	...	...	...	
	E	M	22 44	...	...	...			N,E	SR_1	37 28	...	...	...	
	N,E	F	Masked by microseisms.						N,E	L	38 ...	...	...	...	
									N	Mn	41 35	6	9	...	
,, 12	N,E	i	20 24 1	...	...	...	Feeble.								
	N,E	F	57 ...	...	...	...			E	Mn	41 28	6	8	...	
,, 13	N,E	M	0 13 48	...	...	...	Seismic activity.		N,E	F	2 13 ...	...	...	...	
,, 13	N,E	iP	12 43 9	...	...	8370	Moderate. Epc : 56° ·N., 165° E., (Strasbourg) O : 12h. 31m. 29s. G. M. T.	,, 24	N,E	e	13 42 ...	...	...	...	Feeble, distant.
	N,E	PR_1	45 58	...	...	...			E	F	14 30 ...	...	...	...	
	N,E	iS	52 52	...	...	...		,, 29	N,E	e	4 15 ...	...	...	...	Feeble, near.
	N,E	PS	53 16	...	...	...			N,E	F	37 ...	...	...	...	
	N,E	SR_1	57 40	...	...	...		,, 29	N,E	e	8 44 ...	...	...	...	Slight, distant.
	N,E	SR_2	13 1 14	...	...	...			E	Mn	9 25 37	...	...	...	
	N,E	L	8 ...	...	...	...			N,E	F	10 20 ...	...	...	...	
	N	Mn	13 24	22	23	...									
	E	Mn	17 28	19	31	...		,, 29	N,E	e	22 58 ...	...	...	...	Slight.
	N,E	F	16 23 ...	...	...	...			N,E	F	23 43 ...	...	...	...	
								,, 30	N	eP	23 55 32	...	...	6010	Slight. Epc ; Near Celebes Islands. O : 23h. 46m. 6s. G. M. T.
,, 14	N,E	e	4 34 19	...	...	...	Feeble, near.	Dec. 1	E	iP					
	N,E	e	38 30	...	...	...			N,E	PcP	56 42	...	...	...	
	N,E	F	5 47 ...	...	...	...			N,E	iS	00 3 13	...	...	...	
,, 14	N,E	e	14 51 ...	...	...	...	Feeble.		N,E	ScS	5 13	...	...	...	
	N,E	F	15 41 ...	...	...	...			E	SR_1	7 00	...	...	...	
									N,E	L	13 ...	...	...	...	
,, 14	N,E	e	19 50 ...	...	...	...			E	Mn	20 8	...	...	...	
	N,E	F	20 38 ...	...	...	...			N,E	F	1 29 ...	...	...	...	
,, 15	N,E	e	22 11 ...	...	...	...	Feeble.	,, 1	N	eP	6 18 0	...	...	5290	Slight. Epc : 30°5 N, 122° H. O : 6h. 9 m. 27s. G. M. T
	N,E	F	23 39 ...	...	...	...			N	iS	25 1	...	...	...	
,, 16	N,E	e	23 41 ...	...	...	...	Feeble.		N	F	7 11 ...	...	...	...	
,, 17	N,E	i	49 29	...	...	...		,, 3	N,E	e	00 54 15	...	...	...	Seismic activity.
	N,E	F	0 10 ...	...	...	...			N	M	00 56 22	...	...	...	
,, 18	N,E	e	15 56 ...	...	...	...	Feeble.		E	M	56 31	...	...	...	
	N,E	F	16 49 ...	...	...	...		,, 3	E	e	20 12 ...	...	...	...	Feeble.
,, 19	N	P_1	21 30 0	...	...	16020	Slight. Epc : 14° N, 91° W. (U. S. C. G. S.).		N	e	13 ...	...	...	...	
	E	e	30 12	...	...	...			E	M	17 35	...	...	...	
	N	PR_2	33 11	...	...	...				F	46 ...	...	...	...	
	N,E	$\overline{ScPcP}$	33 34	...	...	...		,, 4	N,E	e	22 51 ...	...	...	...	Feeble, distant.
	N,E	SR_2	58 24	...	...	...			N,E	F	00 21 ...	...	...	...	
	N	Mn	22 40 30	...	...	...									
	E	Mn	43 53	...	...	...		,, 5	N,E	e	19 27 ...	...	...	...	Feeble, near.
	N,E	F	23 46 ...	...	...	...			N,E	F	20 34 ...	...	...	...	
,, 22	N,E	P_1	18 38 52	...	...	16080	Slight. Epc : 14° N, 90° W., (U. S. C. G. S.). O : 18h. 19 m. 17s. G. M. T.	,, 9	N,E	e	14 54 ...	...	...	...	Tremors.
	N	PR_1	42 7	...	...	...			N,E	F	15 13 ...	...	...	...	
	N	$\overline{ScPcP}$	42 29	...	...	...									
	E	SR_2 (?)	19 7 15	...	...	...		,, 13	N,E	P	21 41 59	...	...	7470	Slight. Epc. : 10°N., 141°E., Near Caroline Islands. O : 21 h. 31 m. 5 s G. M. T. Hong tong △ =28°, 9.
	E	M	49 28	...	...	...			N,E	S	50 59	...	...	...	
	E	M	52 44	...	...	...			N,E	F	22 47 ...	...	...	...	
	N,E	F	20 48 ...	...	...	...									

TABLE D_2—*concld.*

Date.	Compt.	Phase.	G. M. T.	Period.	Amplitude.	△	Remarks.
			H. M. S.	Sec.	μ	Km.	
1936.							
Dec. 14	N	iP(?)	4 12 0	...	...	4810	Slight.
	E	i	13 42	...	...	...	
	N,E	iS	18 34	...	...	...	
	E	i	22 8	...	...	...	
	N,E	F	Obliterated by microseisms.				
„ 20	N,E	P	18 36 58	...	...	4280	Slight.
	N,E	PR_1	38 35	...	...	...	Epc: South Sumatra. O: 18h. 29m. 35s. G. M. T.
	N,E	S	43 3	...	...	...	
	N,E	SR_1	46 4	...	...	...	
	N,E	L	49 ...	...	...	...	
	N,E	F	19 58 ...	...	...	...	
„ 21	N,E	e	19 19 ...	...	...	...	Slight, distant.
	N,E	F	21 26 ...	...	...	...	
„ 22	E	e	8 1 2	...	...	...	Slight, near. N-trace lost.
	E	i	1 56	...	...	...	
	E	F	11 ...	...	...	...	
„ 26	E	P_1(?)	23 11 0	...	...	12955	Slight.
„ 27	E	PR_1	12 0	...	...	...	Epc: North off New Zealand. (Chieu-feng).
1936. Dec. 26 „ 27	E	PR	14 22	...	...	...	
	N,E	PS	21 45	..	...	...	
	N,E	PPS	23 15	..	...	...	
	E	SR_1	28 30	...	...	...	
	E	Mn	57 30	24	11	...	
	N	Mn	00 1 30	19	6	...	
	N,E	F	Masked by following shock.				
„ 27	E	i	16 19 45	...	...	...	Slight, distant. Preliminary portion mixed up with coda of earlier shock.
	E	M	50 15	17	6	...	
	N	M	49 50	16	5	...	
	N,E	F	1 49 ...	...	...	...	
„ 29	N,E	iP	15 0 10	...	...	9010	Slight. Epc: 6°·5 149°E.
	N,E	iS	10 21	...	...	...	
	N,E	PS	11 13	...	...	...	
	E	SR_1	16 5	...	...	...	
	N,E	L	26 ...	...	...	...	
	N,E	F	17 40 ...	...	...	...	

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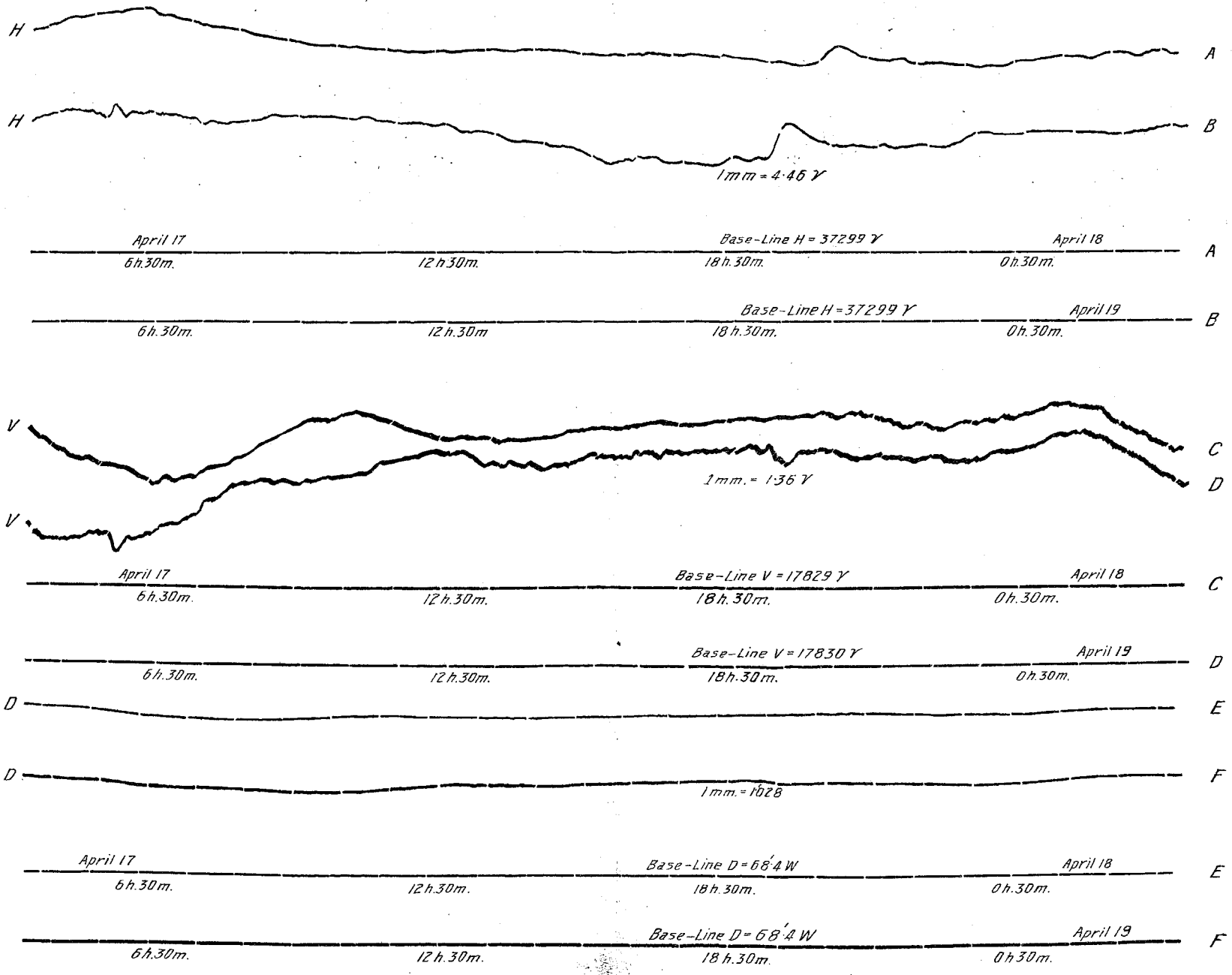
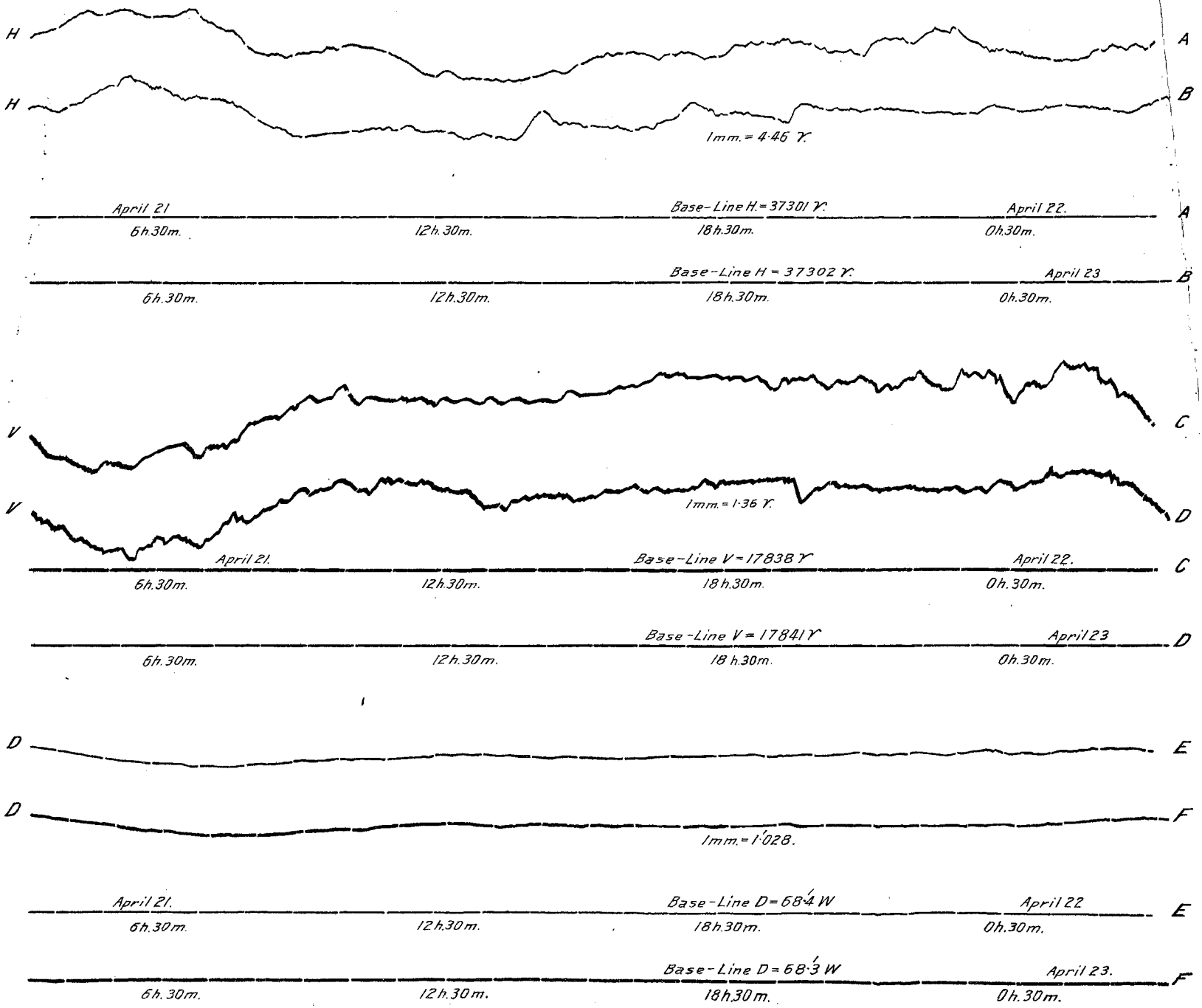
GIPD—S1—63 Metro. Bombay—29-10-38—230.

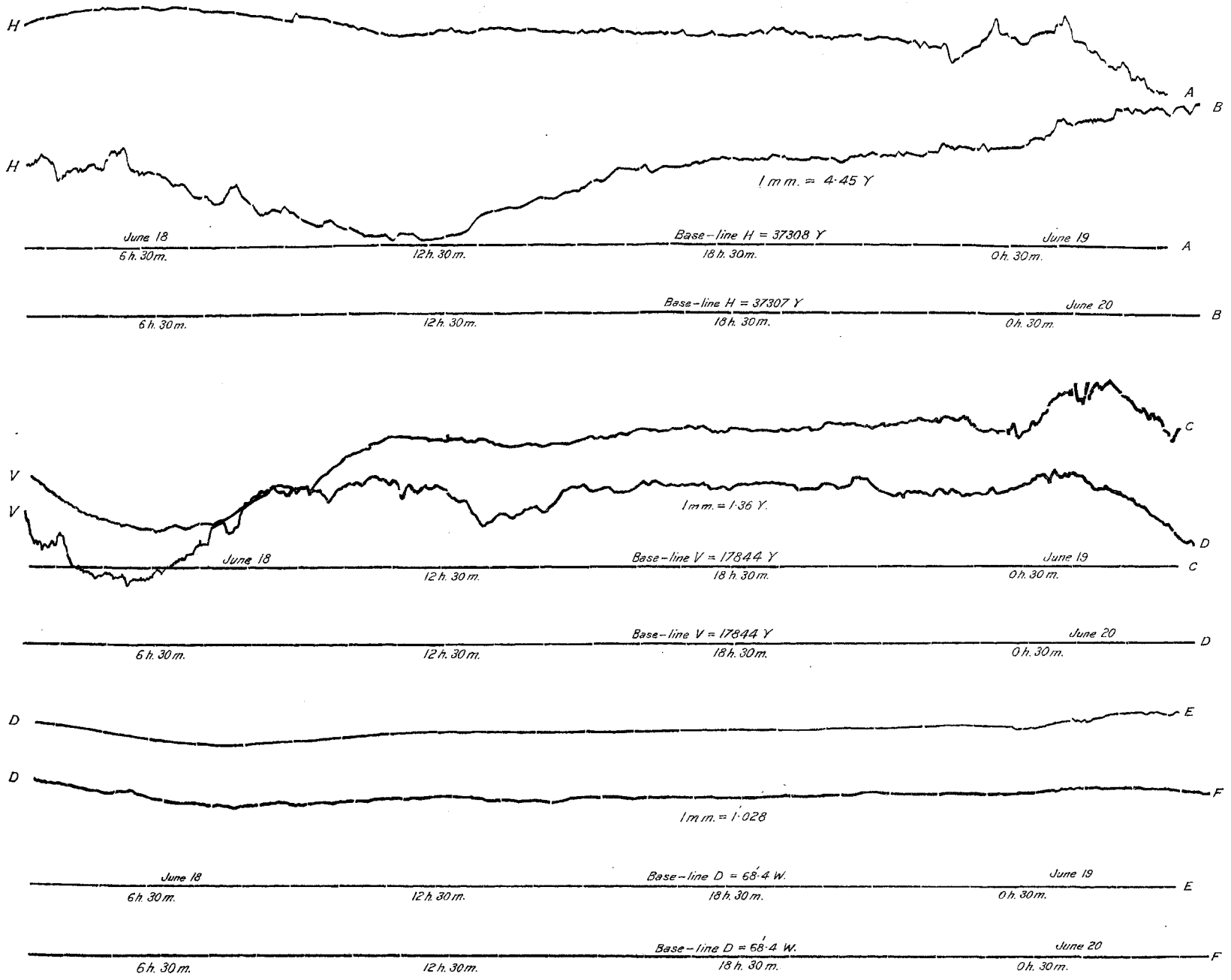
ALIBAG OBSERVATORY MAGNETOGRAMS, 1936.



ALIBAG OBSERVATORY MAGNETOGRAMS, 1936.

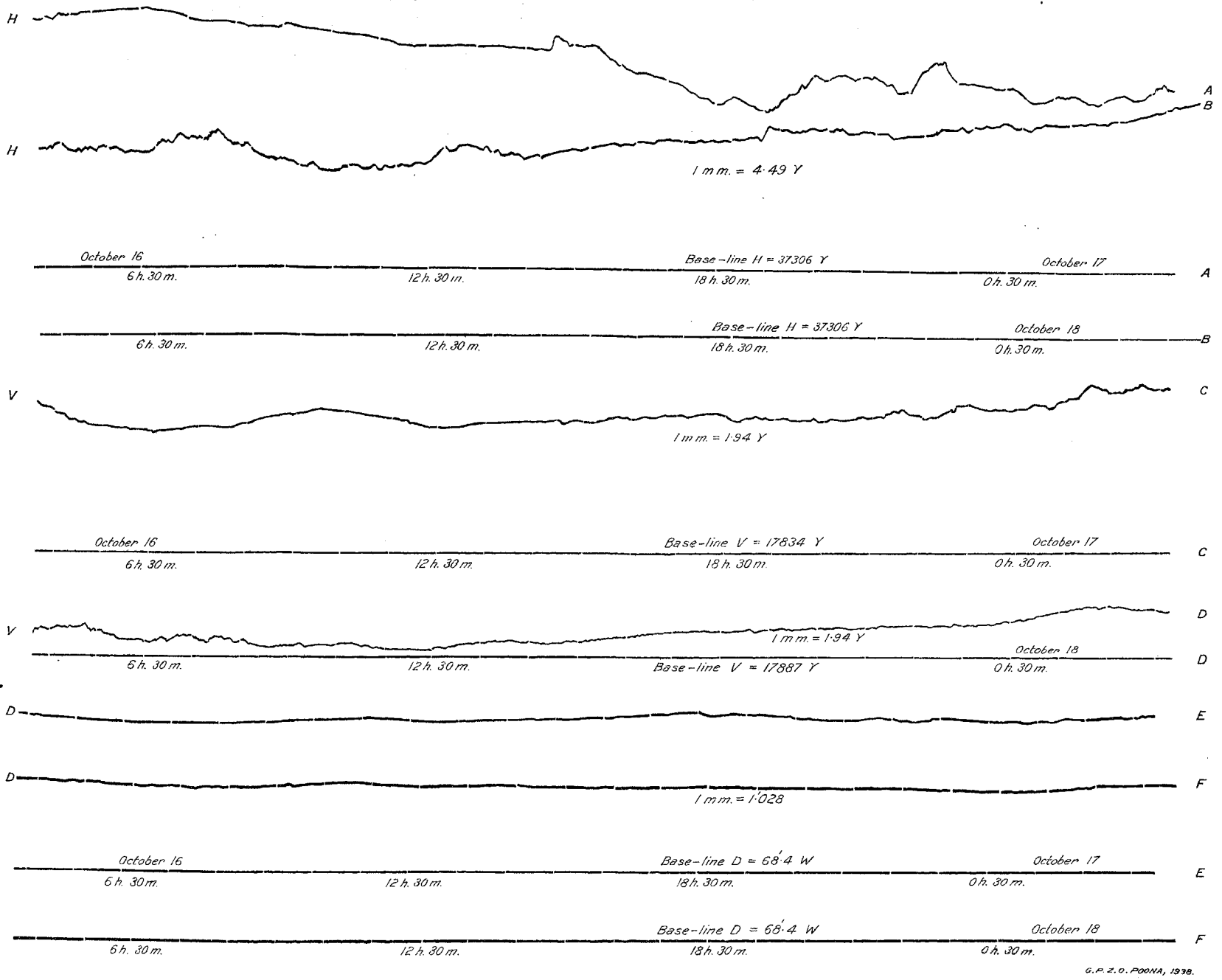


Alibag Observatory Magnetograms, 1936.



G. P. S. O. POONA, 1937.

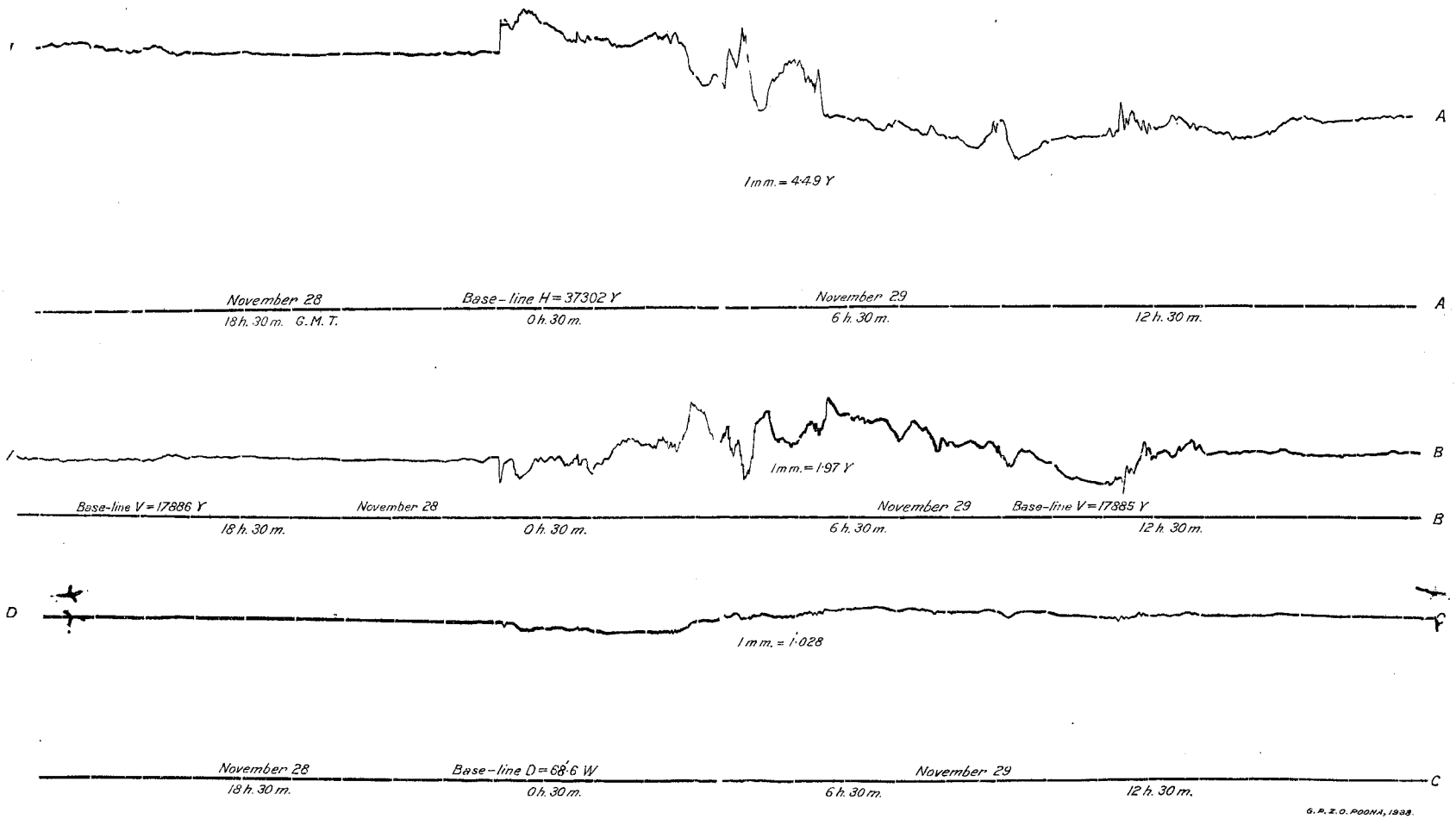
ALIBAG OBSERVATORY MAGNETOGRAMS, 1936.



G.P.Z.O. POONA, 1938.

Alibag Observatory Magnetograms, 1936.

Plate V.



G. P. Z. O. Poona, 1938.

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